

**108029**

meaning from simple *dāna*. Dr. Thomas also discussed the word (*J. R. A. S.*, 1915, pp. 97 sqq.) in connexion with some instances of the words *mukha* and *mukhya* at the end of compounds in the *Kautilya-Arthaśāstra*, where *mukha* means "head, heading, sum" in administrative arrangements and accounts, and came to the conclusion—"Hence it seems best to accept it [*dāna-mukha*] as a mere synonym for *dāna*, a misapplication of a technical term, 'gift department,' 'gift heading,' 'gift account,' under which the donation would be recorded in the accounts of the institution benefited. Or is it, after all, the inscription itself?"

It is well however to consider also more popular illustrations of the use of *mukha* and *mukhya* final; and here the language of the Purāṇas, which corresponds better than other Sanskrit compositions to that of Prakrit inscriptions, throws fresh light; for both words occur abundantly there as the last member of a compound.

I will deal with *mukhya* first, citing instances out of the many that occur.

(1) "Chief, foremost," and so implying the meaning of *ādi*: thus—*Sūry-ēndu-Marīci-mukhyāḥ*, "of whom the sun, the moon and Marīci were chief," "the sun, the moon, Marīci and others" (*Matsya-P.*, 245, 20): *Vṛiddha-Kauśika-mukhyaiḥ*, "with Vṛiddha-Kauśika and others" (*Brahma-P.*, 170, 88).

(2) "Chief, pre-eminent (in)": thus—*vaṁśa-mukhyāḥ*, "pre-eminent men in the family" (*Matsya-P.*, 201, 40): *dviṣṭbhyo Vēda-mukhyēbhyāḥ*, "to brahmans pre-eminent in (knowledge of) the Vēda" (*Brahma-P.*, 1218, 18<sup>1</sup>).

(3) "Chief (of or among)": thus—*Brahmaṇā dēva-mukhyēna*, "by Brahmā chief of the gods" (*Matsya-P.*, 104, 1).

(4) Then virtually an adjective qualifying the preceding noun, "chief, foremost, pre-eminent": thus—*ṛishi-mukhya*, "foremost among rishis," and so "a pre-eminent rishi" (*Brahma-P.*, 73, 23, 25; 127, 6): *vipra-mukhya*, "a pre-eminent brahman" (*Brahma-P.*, 220, 126; *Padma-P.*, vi, 268, 77, 80): *tīrtha-mukhya*, "a very distinguished tīrtha" (*Brahma-P.*, 132, 9). This use is very common.

(5) And so virtually coming to mean "choice, superfine," as qualifying the noun to which it is added: thus—*turaga-mukhya*, "a very fine horse" (*Padma-P.*, iv, 112, *Purāṇa Rāmāyaṇa*, 6): *ratha-mukhya*, "a specially fine chariot" (*Vāyu-P.*, 90, 14; 93, 19: *Brahma-P.*, 216, 55): *śara-mukhya*, "a choice arrow" (*Padma-P.*, vi, 269, 166). Accordingly *dāna-mukhya* would mean "a choice gift."

As regards *mukha*, it is used similarly to *mukhya* in the first sense, "the chief, the foremost"; thus—*sarva-dēvatāḥ*, | *Mad-Bhava-mukhāḥ*, "all the gods having me (Brahmā) and Śiva as their chiefs" (*Padma-P.*, vi, 203, 37): *Rākshasāḥ Kumbhakarṇa-mukhāḥ*, "the Rākshasas, of whom Kumbhakarṇa was the chief" (*Padma-P.*, iv, 112, 204). So it virtually implies the meaning of *ādi*; thus—*dēva-dāitya-mukhān sarvān*, "gods, Daityas and all others" (*Linga-P.*, i, 58, 1): *Vishṇu-mukhair dēvaiḥ*, "by Vishṇu and the other gods," all except Brahmā (*Padma-P.*, v, 40, 31): *Puruḥāta-mukhāḥ.....vijitāḥ*, "Indra and the other gods were conquered" (*ibid.*, 32).

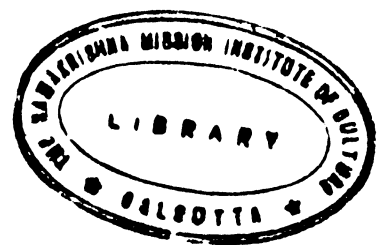
Of the other meanings I have found no definite instances; yet possibly *Vārāhas tu śruti-mukhāḥ prādurbhāvo*<sup>2</sup> might be taken to yield the second meaning; and *Tad=ātri-putro tri-mukhaiḥ samēto*<sup>3</sup> might give the fourth meaning.

<sup>1</sup> Equivalent to *dēva Vēda-vṛiddha* in verse 23. But it might also mean "to Brahmans who hold the Vēda as supreme," equivalent to *vipra Vēda-puraskṛita* in verse 16.

<sup>2</sup> *Brahma-P.*, 213, 32; *Padma-P.*, v, 16, 53: cf. *Hariv.*, 42, 2226. *Śruti* in the Purāṇas often means "ordinary tradition."

<sup>3</sup> *Brahma-P.*, 140, 17.





*Computation of a date.*

*Example 3.* We will now take a suppositious Record-date, and in the following examples explain the complete method of work for proving the accuracy of all its details; and for settling some other matters.

The date is "Śaka 1148 expired, K.Y. 4327, Vyaya, Saturday, Bhādrapada śukla 5, Kanyā 1, Bāva karaṇa, nakshatra Viśākhā, yōga Vaidhṛiti, Kanyā lagna."

Table LXI shows that the year corresponded to A.D. 1226-27; that in that year true Mēsha-samkrānti took place 3<sup>h</sup> 55<sup>m</sup> after mean sunrise on Wed., 25 March (Day 84 from 1 Jan.); that the civil day Chaitra śukla 1 was Sunday, 1 March (Day 60 from 1 Jan.); and that (col. 8) the lunar month Āshāḍha was intercalated in that year. The year was called "Vyaya" in South India, "Vikṛita" in the North.

The interval of days between the initial days of the solar and luni-solar year was (84-60) 24.

In this example we work for the values of *a*, *b*, *c* and *t* at mean sunrise of the day Chaitra śukla 1, which is stated in Table LXI to have been (col. 20) a Sunday. We work by the first process shewn above, and with full decimals. In using Table LXXIV for the interval of days—24 as already stated—it is observed that the week-day number (col. 3) for that number of days—interval (col. 1) is 2, and that, since the week-days obtained for the year from Tables LXXII, LXXIII are respectively 6 and 6, total 12, the addition of 2 will make total 14, or 0, or a Saturday, whereas the day we are working for was Sunday. Hence we use the figures for 23 days' interval, week-day 3, which gives us the correct *a*, *b*, *c* for 1 Sunday. (See note to *Example 1*.)

	<i>w.-d.</i>	<i>a</i>	<i>b</i>	<i>c</i>
(Table LXXII) K.Y. Cent. 43 .	(6)	8913.7771	214.1179	279.7019
(Table LXXIII) Year 27 .	(6)	9587.5412	907.9933	0.0428
(Table LXXIV) 23 days' interval	(3)	1534.2032	92.7094	931.5554

*At mean sunrise on (1) Sunday, 1*

*March, A.D. 1226, i.e. the day*

*Chaitra śukla 1 . . . . . (1) 35.5215 214.8206 211.3001*

The above work has been thus fully carried out in order to prove the correctness of the entries in Table LXI, cols. 23, 24, 25, which are the same. This work is not required to be done in practice as the Table provides the information.

Now knowing the Table entry to be accurate, we proceed.

*The tithi. Ordinary work.*

*Example 4. The true tithi.*<sup>1</sup> The given date is Bhādrapada śukla 5. Table LXIII A shews that, Āshāḍha having been intercalated in the year in question and Bhādrapada being therefore the seventh, and not the sixth, lunar month of the year, it began about 177 days after the day Chaitra śukla 1; consequently Bhādr. śuk. 5 was about 181 days after. Having added

<sup>1</sup> The mean tithi (and probably the mean nakshatra and yoga also) was used in earlier years—to how late a date is not yet known. The mean tithi is the mean moon's distance from mean sun, our *a*. To find it add to the ascertained value of *a* (as in *Example 3*) for the day the sum of the greatest equations of moon and sun, i.e. 199.1150. The total gives the *a* of the mean tithi (= *t* of the true tithi). Thus for the day in question the mean tithi-index is (36 + 199) 235, or (35.5215 + 199.1150) 234.6365. This was its value at mean sunrise of the given day.



TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4372	1193	1328	677	445-46	1270-71	4 Pramōda .	9 Yuvan .	...
4373	1194	1329	678	446-47	1271-72	5 Prajāpati .	10 Dhātṛi .	...
4374	1195	1330	679	447-48	*1272-73	6 Āngirasa .	11 Īvara .	4 Āshādha .
4375	1196	1331	680	448-49	1273-74	7 Śrīmukha .	12 Bahudhānya .	...
4376	1197	1332	681	449-50	1274-75	8 Bhāva .	13 Pramāthin .	...
4377	1198	1333	682	450-51	1275-76	9 Yuvan .	14 Vikrama .	3 Jyēshṭha .
4378	1199	1334	683	451-52	*1276-77	10 Dhātṛi .	15 Vṛisha .	...
4379	1200	1335	684	452-53	1277-78	11 Īvara .	16 Chitrabhānu	{ 9 Mārgasira 10 Pausa ( <i>ksh.</i> ) 12 Phālguna }
4380	1201	1336	685	453-54	1278-79	12 Bahudhānya .	17 Subhānu .	
4381	1202	1337	686	454-55	1279-80	13 Pramāthin .	18 Tārāṇa .	
4382	1203	1338	687	455-56	*1280-81	14 Vikrama .	19 Pārthiva .	5 Śrāvaṇa .
4383	1204	1339	688	456-57	1281-82	15 Vṛisha .	20 Vyaya .	...
4384	1205	1340	689	457-58	1282-83	16 Chitrabhānu .	21 Sarvajit .	...
4385	1206	1341	690	458-59	1283-84	17 Subhānu .	22 Sarvadhārin .	4 Āshādha .
4386	1207	1342	691	459-60	*1284-85	18 Tārāṇa .	23 Virōdhin .	...
4387	1208	1343	692	460-61	1285-86	19 Pārthiva .	24 Vikṛita .	...
4388	1209	1344	693	461-62	1286-87	20 Vyaya .	25 Khara .	2 Vaiśākha .
4389	1210	1345	694	462-63	1287-88	21 Sarvajit. .	26 Nandana .	...
4390	1211	1346	695	463-64	*1288-89	22 Sarvadhārin .	27 Vijaya .	6 Bhādrapada
4391	1212	1347	696	464-65	1289-90	23 Virōdhin .	28 Jaya .	...
4392	1213	1348	697	465-66	1290-91	24 Vikṛita .	29 Manmatha .	...
4393	1214	1349	698	466-67	1291-92	25 Khara .	30 Durmukha .	4 Āshādha .
4394	1215	1350	699	467-68	*1292-93	26 Nandana .	31 Hēmalamba .	...
4395	1216	1351	700	468-69	1293-94	27 Vijaya .	32 Vilamba .	...
4396	1217	1352	701	469-70	1294-95	28 Jaya .	33 Vikārin .	3 Jyēshṭha .

PUBLISHED UNDER THE AUTHORITY OF THE GOVERNMENT OF INDIA

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# EPIGRAPHIA INDICA

AND

RECORD OF THE ARCHÆOLOGICAL SURVEY OF INDIA

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**Vol. XVI, 1921-22.**

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GOVERNMENT EPIGRAPhist FOR INDIA.



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CALCUTTA:

GOVERNMENT OF INDIA PRESS.

LONDON: KEGAN PAUL, TRENCH,  
TRUBNER & Co.

NEW YORK: WESTERMAN & Co.  
CHICAGO: S. D. PEET.

PARIS: E. LEROUX.

**Price Rs. 16 or 22 sh.**

LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Māsha-samkrānti.	Day and month, A.D.	Week-day	a.	b.	c.	
13	14	17	19	20	23	24	25	1
		H. M. S.						
26 Mar. (85)	0 Sat. .	0 17 30	18 Mar. (77)	6 Fri. .	9992-7514	453-2797	255-5181	4397
25 Mar. (85)	1 Sun. .	6 30 0	6 Mar. (66)	3 Tues.	9868-4348	300-5144	224-6943	4398
25 Mar. (84)	2 Mon. .	12 42 30	25 Mar. (84)	2 Mon. .	9903-0744	236-4980	276-0039	4399
25 Mar. (84)	3 Tues.	18 55 0	14 Mar. (73)	6 Fri. .	9778-7578	83-7328	245-1801	4400
26 Mar. (85)	5 Thur.	1 7 30	4 Mar. (63)	4 Wed.	9993-0731	967-2592	217-0940	4401
25 Mar. (85)	6 Fri. .	7 20 0	22 Mar. (82)	3 Tues.	27-7127	903-2427	258-4038	4402
25 Mar. (84)	0 Sat. .	13 32 30	12 Mar. (71)	1 Sun. .	242-0280	786-7691	240-3177	4403
25 Mar. (84)	1 Sun. .	19 45 0	1 Mar. (60)	5 Thur.	117-7114	634-0039	209-4938	4404
26 Mar. (85)	3 Tues.	1 57 30	20 Mar. (79)	4 Wed.	152-3510	569-9874	260-8035	4405
25 Mar. (85)	4 Wed.	8 10 0	8 Mar. (68)	1 Sun. .	28-0344	417-2222	229-9797	4406
25 Mar. (84)	5 Thur.	14 22 30	25 Feb. (56)	5 Thur.	9903-7177	264-4570	199-1558	4407
25 Mar. (84)	6 Fri. .	20 35 0	16 Mar. (75)	4 Wed.	9938-3574	200-4405	250-4656	4408
26 Mar. (85)	1 Sun. .	2 47 30	5 Mar. (64)	1 Sun. .	9814-0408	47-6754	219-6417	4409
25 Mar. (85)	2 Mon. .	9 0 0	23 Mar. (83)	0 Sat. .	9848-6804	983-7588	270-9514	4410
25 Mar. (84)	3 Tues.	15 12 30	13 Mar. (72)	5 Thur.	62-9956	867-1853	242-8653	4411
25 Mar. (84)	4 Wed.	21 25 0	3 Mar. (62)	3 Tues.	277-3109	750-7117	214-7792	4412
26 Mar. (85)	6 Fri. .	3 37 30	21 Mar. (80)	1 Sun. .	9973-3187	650-4036	263-3512	4413
25 Mar. (85)	0 Sat. .	9 50 0	10 Mar. (70)	6 Fri. .	187-6339	533-9300	235-2651	4414
25 Mar. (84)	1 Sun. .	16 2 30	27 Feb. (58)	3 Tues.	63-3172	381-1648	204-4413	4415
25 Mar. (84)	2 Mon. .	22 15 0	17 Mar. (76)	1 Sun. .	9759-3250	280-8568	253-0132	4416
26 Mar. (85)	4 Wed.	4 27 30	7 Mar. (66)	6 Fri. .	9973-6403	164-3831	224-0271	4417
25 Mar. (85)	5 Thur.	10 40 0	25 Mar. (85)	5 Thur.	8-2799	100-3667	276-2368	4418
25 Mar. (84)	6 Fri. .	10 52 30	14 Mar. (73)	2 Mon. .	9883-9632	947-6015	245-4130	4419
25 Mar. (84)	0 Sat. .	23 5 0	4 Mar. (63)	0 Sat. .	98-2785	831-1279	217-3269	4420
26 Mar. (85)	2 Mon. .	5 17 30	23 Mar. (82)	6 Fri. .	132-9181	767-1114	268-0367	4421

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TABLE LXXII.

VALUE OF  $a$ ,  $b$ ,  $c$  AT BEGINNING OF CENTURIES OF THE KĀLIYUGA BY THE FIRST ĀRYA-SIDDHĀNTA  
AT MEAN SUNRISE ON DAY OF OCCURRENCE OF MEAN MESHA-SAMKRĀNTI, WHICH IS THE  
MOMENT WHEN MEAN SUN REACHES LONGITUDE  $0^\circ$ .

Century.	Week-day.	$a$ .	$b$ .	$c$ .
36	0	7177-6056	135-4688	279-9111
37	0	6045-4346	723-3175	280-2723
38	0	4913-2637	311-1661	280-6336
39	0	3781-0927	899-9148	280-9948
40	0	2648-9218	486-8635	281-3560
41	0	1516-7509	74-7121	281-7172
42	0	384-5799	662-5608	282-0784
43	6	8913-7771	214-1179	279-7019
44	6	7781-6062	801-9665	280-0631
45	6	6649-4352	389-8152	280-4243
46	6	5517-2643	877-6639	280-7855
47	6	4385-0933	565-5125	281-1467
48	6	3252-9224	153-8612	281-5079

N. B.—The value of  $b$ , the  $\odot$ 's mean anomaly, is given as estimated by Professor Jacobi. The present author estimates its value as less than the given amount by 3-6. In a very close case both valuations may be tried.



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No. 15.—SRIRANGAM PLATES OF HARIHARA-RAYA UDAIYAR (III):  
SAKA 1336.

BY

THE LATE T. A. GOPINATHA RAO, M.A., TRIVANDRAM, AND VARAKHEDI BAPU ACHARYA, B.A.,  
MADRAS.

This set of copper-plates belongs to the Śrīraṅgaṇātha Temple at Śrīraṅgam. The temple authorities kindly allowed us a loan, for a few days, of the original copper-plates, from which ink-impressions, on which the accompanying facsimile plates are based, were taken under our supervision.<sup>1</sup>

The set consists of five plates, which are engraved on both sides and are 7" × 4½" in size. In the middle of the left margin of each plate there is a hole to take in the binding ring, which, when the plates were lent to us, was not found with the set. Most probably the binding ring has been lost. The inscription is in an excellent state of preservation. The plates are marked serially with Telugu-Kaṇṇaḍa numerals—one to five—near the ring-holes. The alphabet is Telugu and the language Kaṇṇaḍa. But the first five lines, which contain an invocation to Viṣṇu in his Boar incarnation, are written in Sanskrit verse; similarly, lines 92-98 contain the usual imprecatory verses in Sanskrit. The Kaṇṇaḍa employed in the record is far from literary and is distinctly faulty; it sounds more like the dialect spoken in the Coimbatore, Salem and Trichinopoly Districts than the pure Kaṇṇaḍa of Mysore.

A number of orthographical and graphical peculiarities are worth noting. The chief among them is the universal use of the *anusvāra* before a consonant in the place of nasals: it would be impossible to correct them all, and they are therefore left as found in the inscription. The necessary doubling of consonants is in many instances omitted: e.g., in *koṭa* in ll. 13, 24 and 27, in *grāmavanū* in l. 17 [the accusative termination *anū* is correct; see Kittel's *Kaṇṇaḍa Grammar*, p. 43.—H. K. S.], in *hotina* in l. 32, in *oba* in ll. 40 and 77, etc. The use of vowels at the end and in the middle of words, where there ought to be sonant consonants, is also a common feature of this document: e.g., *nāū* for *nāvu* in ll. 13, 18, 57 and 89; *nūū* for *nīvu* in ll. 48, 58 and 87; *koṭeū* for *koṭevu* in l. 24; *dvadesēū* for *dvādaśīyū* in l. 19; *māḍisuvadakkēū* for *māḍisuvadakkū* in ll. 35-6; *Naruḍru* for *Naruvūru* in ll. 15, 26 and 60-1; *Chēṭrakōṭe* for *Chēṭrakōṭe* in l. 20. The consonant *nau* is used in some instances for *navu*, e.g., *pratidināu* for *pratidinavū* in ll. 28 and 67; similarly *dau* is used for *dalō* (*davū*—*dalū*) in *dravyadimḍau* for *dravyadimḍalō* in ll. 62 and 63. The secondary *e*-symbol is in many instances added at the bottom instead of the top as in other inscriptions and in modern Telugu: e.g., in *lē* in *kalēbarah* in l. 2; in *khe* in *śākheya* in ll. 11 and 17; *lē* in *kalē* in l. 95. The consonants with secondary *i* are hardly distinguishable from those with the secondary *e*. Two different forms of the consonant *va* is employed, one resembling the English letter *s* and the other the common one. The former type occurs also in conjunctions, e.g., *vo* in *vomḍu* in l. 32.

The record belongs to the reign of Vira-Harihara-Rāya Udayar (III), son of Vira-Pratāpa-dēva-Rāya II of the first Vijayanagara Dynasty. That Vira-Pratāpa-dēva-Rāya had a son named Vira-Harihara-Rāya is known from a solitary record of the latter at Vijaya-maṅgalam,—No. 596 of the Madras Epigraphist's collection for 1905,—dated Śaka 1334. Harihara-Rāya seems to have ruled as a viceroy over the country lying on the banks of the Bhavānī river<sup>2</sup> (that is, a portion of the Coimbatore District, as it is at present constituted). He appears to have ended his life only as a governor and never to have occupied the position of king of Vijayanagara.

<sup>1</sup> [They have been already noticed by the Madras Epigraphist in his *Annual Report* for 1905-6, Appendix A, No. 27.—Ed.]

<sup>2</sup> [See *Arch. Surv. Rep.* for 1907-8, p. 246.—Ed.]

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The subject matter of the record is the grant of the village of *Naruvūru*, situated in *Kilāngu-nāḍu* of the *Rāyarāpura-vēṇṭheya* (district), to Uttamanambi, son of Uttamanambi, of the Raṅganātha temple at Śrīraṅgam, on Friday, the first day of the dark fortnight of the month Bhādrapada in the cyclic year *Jaya*, which corresponded to the Śaka year 1336. The inscription further states that the same village was originally granted to one Appannaṅgaḷu, son of Ichappa, by Vira-Harihara-Rāya Uḍaiyar, on Monday, the twelfth day (Śravana-Dvādaśī) of the bright fortnight of the month of Bhādrapada of the same year, i.e., four days earlier than the previous date, at Chēvūrakōṭe, in the presence of the god Mādhava, on the banks of the Bhavāni river, for the propitiation of the god Tryambaka. It is also understood that Uttamanambi, who received the gift from Appannaṅgaḷu, was to hold a subordinate position (*ediriḍu*) to the latter with reference to the grant. It is not possible to explain why in such a short period as four days the gift should have changed hands. It was perhaps that Appannaṅgaḷu could not at a distance manage the charity as effectively as a native of the place, and therefore handed over the management of the same to the charge of Uttamanambi.

The deed of gift to Uttamanambi stipulated :—

1. that the village of *Naruvūru* should thenceforward be designated Raṅganāthapura ;
2. that a daily service with every detail of offerings to the god Raṅganātha should be maintained ;
3. that a flower-garden should be kept up for the special service known as Padineṭṭāmpaḍi-Śervai (?) ;
4. that a *Sattrā*, or feeding house for Brāhmaṇas, should be constructed within the walls of the Raṅganātha temple, and twelve Brāhmaṇas fed daily ; and
5. that four *mā* of land should be granted to each of eight Brāhmaṇas residing at *Naruvūru*, free of taxes.

The prince Harihara-Rāya Uḍaiyar expresses his desire that, since this was a charity primarily by him, it should be conducted without remissness and diminution. Who the person called Appannaṅgaḷu was, is not patent from the inscription ; he appears to have been a highly placed man, wielding some influence with the prince Harihara-Rāya Uḍaiyar, and to have induced the prince to grant the village with the distinct intention of giving it over to Uttamanambi. The family of the Uttamanambis is an ancient one in Śrīraṅgam ; the Uttamanambis were very influential, and there is still a current proverb, *ūr pādi Uttamanambi pādi*, " the town is one-half and Uttamanambi the other half," meaning that the members of the family were as good as the whole town put together. These are Brāhmaṇas of the *Pūrva-sikhā* sect and have done very much towards the enriching of the temple of the god Raṅganātha of Śrīraṅgam. A detailed account of these will be found in an article on the Śrīraṅgam Plates of Dēvarāya II, to be edited by one of us in this journal. The Uttamanambis are one of the hereditary trustees of the temple of Raṅganātha and enjoy certain rights and duties in it.

The places, etc., mentioned in this record are : *Rāyarāpura-vēṇṭhe*, *Kelāngu* or *Kilāngu-nāḍu*, *Kāvēri*, *Naruvūru*, *Chēvūrakōṭe*, *Bhavāni* and *Śrīraṅgam*. Of these the *Kāvēri* and the *Bhavāni* are two rivers, the latter a tributary of the former. *Naruvūru* is evidently the modern *Nerūr*, situated on the bank of the river *Kāvēri* in the *Karūr tāluka* of the Coimbatore District. It is famous as the place where the great *Saḍāśiva Parabrahmam*, a modern *Yogin* of great powers and devotion, died and is interred. *Chēvūrakōṭe* may be identified with *Śevūr* in the *Palladam tāluka* of the same district. There are three places called *Rāyarāpalam*, *Rāvanapuram* and *Rāyapuram*, in the *Erode*, the *Uḍamalpēt*, and the *Karūr tālukas* : all of them sound like *Rāyarāpalam* ; but since *Nerūr*, the village granted, is in the same *tāluka* as *Karūr*, we may perhaps identify *Rāyarāpura* of the *vēṇṭhe* of the same name with *Rāyapuram* in the *Karūr tāluka*. Whether *Kilāngu-nāḍu* takes its name from *Kilāngundal* in the *Dhārāpuram tāluka* would be hard to say.

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[\*Note that these two plates are Nos. 6 and 7 of Vol. XV and should be bound with that volume, being there inserted in their proper order between pp. 60 and 61 and pp. 62 and 63 respectively.]

TEXT.<sup>1</sup>[Metres : v. 1, *Sārdulavikrīḍita* ; v. 2, *Anuṣṭubh* ; v. 3, *Śalinī*.]

First Plate : First Side.

- 1 ○ शुभमस्तु [॥\*] पातु चोणि जगति संततमकु-  
 2 पाराङ्गामुद्धरन्<sup>2</sup> क्रोडाक्रोडकलिवरः स भगवां  
 3 ग्यस्यैकदोष्टाङ्कुरे<sup>3</sup> [॥\*] कूर्मः कंदति नाकृति द्विर-  
 4 सनः पन्नंति दिग्दन्तिनो मेरुः कोशति मेदिनी जल-  
 5 जति व्योमापि रोरंति<sup>4</sup> [॥\*] स्वस्ति ओसाकवाहन-<sup>5</sup>  
 6 शक्रवर्ष<sup>6</sup> १३३६ संदु वर्तमान जयसं-  
 7 वत्सरद भाद्रपद व १ शु लु<sup>6a</sup> श्रीमंमहारा<sup>7</sup>-  
 8 जाधिराज राजपरमेश्वर ओवीरप्रतापदेवराय-  
 9 महारायर कुमार श्रीमंमहामंडकेश्वर<sup>9</sup>  
 10 ओवीरहरिहररायवीडेयर<sup>9</sup> श्रीरंगना-

First Plate : Second Side.

- 11 थदेवर स्थानद काश्यपगीचद रुक्मशाखेय<sup>10</sup>  
 12 उत्तमनंबियर मककु उत्तमनंबियरि-  
 13 गे कोट<sup>11</sup> धर्मशासनद<sup>12</sup> क्रमवैतेंदरे [॥\*] नाड<sup>13</sup>  
 14 नंम<sup>14</sup> रायरापुरदवैठेयद केळंगुना-  
 15 उ कावेरिय तीरद नळुज<sup>15</sup> अ कालुवळि  
 16 सह वर्तमान हदिनाल्क हौनिन<sup>16</sup> कुळद  
 17 ग्रामवन<sup>17</sup> भारहाराजगोचद<sup>18</sup> यलुशाखेय<sup>19</sup> इच-  
 18 प्पगळ मककु अप्पणगळिगे<sup>20</sup> ना[उ]<sup>13</sup> जयसंवत्सरद<sup>21</sup>  
 19 भाद्रपद शुब अवनहदेसेउ<sup>22</sup> सोमवार पुंण्यका-<sup>23</sup>  
 20 [ल]दलु नाड<sup>18</sup> आकुव राज्यद चेजरकोटियलु<sup>24</sup> भवानि-

Second Plate : First Side.

- 21 य तीरद माधवदेवर संनिधियलु<sup>25</sup> चियंब-  
 22 कदेवर<sup>26</sup> प्रीतियागि एकभोगवागि हिरंण्यो<sup>27</sup>

<sup>1</sup> From inked estampages prepared under the supervision of one of us.<sup>2</sup> Read भगवान्यस्यैकदोष्टाङ्कुरे.<sup>3</sup> Read वरुष.<sup>4</sup> Read श्रीमन्महारा.<sup>5</sup> Read ओडियर.<sup>6</sup> Read कूर्म.<sup>6a</sup> Read नळुज.<sup>7</sup> Read भारहाराज.<sup>9</sup> Read संवत्सरद.<sup>24</sup> Read चेजरकोटियलु.<sup>27</sup> Read हिरं.<sup>4</sup> Read रीलवति.<sup>6a</sup> [i.e. *Śakravāradalu*.—H. K. S.]<sup>5</sup> Omit the *anuvāra* on *ma* in श्रीमं.<sup>10</sup> Read रुक्मशाखेय.<sup>18</sup> Read नाड.<sup>16</sup> Read हौनिन.<sup>19</sup> Read यलुशाखेय.<sup>22</sup> Read वादियु.<sup>25</sup> Read सन्निधियलु.<sup>2</sup> Omit the *anuvāra* on *ra*.<sup>5</sup> Read शालिवाहन.<sup>11</sup> Read कोट.<sup>14</sup> Read नम्.<sup>17</sup> Read ग्रामवन्.<sup>20</sup> Read अप्पण्.<sup>28</sup> Read पुं.<sup>26</sup> Read वीर.



i a.

2 4 6 8 10  
 2 4 6 8 10  
 12 14 16 18 20  
 22 24 26 28 30

ii a.

22 24 26 28 30  
 32 34 36 38 40  
 42 44 46 48 50

iii a.

42 44 46 48 50  
 52 54 56 58 60  
 62 64 66 68 70

i b.

12 14 16 18 20  
 22 24 26 28 30  
 32 34 36 38 40

ii b.

32 34 36 38 40  
 42 44 46 48 50  
 52 54 56 58 60

iii b.

52 54 56 58 60  
 62 64 66 68 70  
 72 74 76 78 80



## ADDITIONS AND CORRECTIONS.

- Page 3, l. 22,—[*śakhaṅgaḷam* is a scribe's error for *śākaṅgaḷam*, leaves, vegetation. In l. 23.—*dhareyal* should be corrected to *-bareyal* or *-vareyal* "to associate with": *mukṭiyol-bareyal-ēnd-irppam* means "waiting to be united to (the bride) Salvation". The verse means that he subjected his body to such hardship as to make people say that it was indeed beyond the power of other ascetics practising austerities to undergo such mortification, etc.—Rao Bahadur R. Narasimhāchārya, M.A.]
- " 6, verse 6,—'water of aspersions'—*Gadduge*, or *gaddige*, is the seat or throne of a Śaiva mendicant, a *Jaṅgama*, and *nīr* (*nīru*?) means 'ashes'. Hence *dēva-snāna* must have the significance of a particular kind of ablution, like *bhāṣma-snāna*, in which ashes are smeared profusely over the body.—H. K. S.
- " 6, " 11.—In the translation "who or seeing him" is to be interpreted as "look ye or behold!", *nōḍire* being here used as an interjection. *Māli* and *Sumāli*: If these words have to give rise to the Sanskrit name *Suvarṇamahākshī*, they must perhaps be treated as Kanarese words composed of *mā* + *ālī* and *pu* + *mā* + *ālī*. The first means 'the big eye', which in Sanskrit could be rendered into *Mahākshī*. In the second *su* may stand for *suvarṇa*, and we thus have the name *Suvarṇamahākshī*. This may seem to be a forced interpretation; but there is no other way of connecting the latter name with *Suvarṇamahākshī*.—H. K. S.
- " " " 18.—The marvel indicated in this verse is not clear.—H. K. S.
- " 36, " 34.—[for "twelve times" read "ten times".—R. B. R. N.]
- " 41, (ll. 17-24).—In the translation—"horse-sacrifices .... Śiva and .... Viṣṇu" is apparently wrong, since horse-sacrifices are not performed particularly to propitiate the Gods, Śiva and Viṣṇu. The division of words in the text ought, in my opinion, to be left just as it stands and requires no correction—*adhiṣṭhita* being combined with the following word and *Ohaturbhujam* being separated without change to *Ohaturbhujā*. The meaning then would be: "who owns 84 towns presided over by Śiva and Viṣṇu; who is consecrated ..... horse-sacrifices."—H. K. S.
- " 50, trans., verse 15.—'So as to be served by the .... own race'. If Lakshmi was already in the lotus of his own race, there is no force in saying that she served him. In the text *paṁku-ruha* must be separated from the next following word, and the translation should be: "so that the lotus of his own race became an abode of the goddess of Fortune". If *sēvyam* qualified *Āditya-Bhaṭṭa*, we should have expected the masculine form *sēvyan*.—H. K. S.
- " 51, " ll. 49 to 55.—The translation of ll. 52 and 53, commencing "on which he deducted ..... kaṇḍa-ground", is capable of improvement. *Aḷadu kaṇḍa bhāmi*—'land whose extent was found out by measurement' or 'measured land'. The word *prabhugaḷge* has to be construed with *ikki* and not with *aḷadu*, as Dr. Barnett has taken it. So the altered translation would be "and, having (also) given to these gentlemen (the right of) *dasavanda* at ten in hundred for the extent of land (measured) by the rod according to the *gaḍimba* of Huligere, he obtained", etc.—H. K. S.

62      62  
 64      64  
 66      66  
 68      68  
 70      70

[illegible]

82 నాల్గు ప్రాకారములను బ్రహ్మచారిగా నిర్వహించి  
 84 అష్టాంగములను పఠించి యాత్మార్థమును జూచుచు  
 86 అష్టాంగములను పఠించి యాత్మార్థమును జూచుచు  
 88 అష్టాంగములను పఠించి యాత్మార్థమును జూచుచు  
 90 అష్టాంగములను పఠించి యాత్మార్థమును జూచుచు

[illegible]

- Page 60, text, l. 14,—[read *av=asuranim*; *avu* refers to the earth, the ocean, and the mountain; and the Asura is Hiranyāksha. The meaning is, 'the ordinary earth, etc., cannot be compared to Erega in weightiness, etc., owing to their defects; but, if there should be another earth etc. (without such imperfections), these might be compared to him'.—H. K. S.]
- „ „ l. 17.—[divide *ārpp=Ina-sūnu*; *ārppu=* liberality; *Ina-sūnu=* Karṇa. His bounty was such that men said Karṇa was born again.—R. B. R. N.]
- „ „ ll. 21-22.—[The sense of v. 12 is: "if enemy kings bow down at the feet of Erega, I do not know; but, if they do not bow, Dōṇa will make them fall so that vultures and the like will pounce upon them.—R. B. R. N.]
- „ 62, l. 38,—[read *Manu-muni-mārggan = endu*, "that he is one who walks in the way of the saint Manu".—R. B. R. N.]
- „ „ l. 39,—[read *paṣugog=ōjanan*, "teacher of methodical work".—R. B. R. N.]
- „ „ l. 40,—[read *sāhasadindam = Animugeyan*. *Ammuge*, like *Inda*, must have been a person cast into prison by Śōbhana.—R. B. R. N.]
- „ 71, l. 22,—[correct to *māṇḍ-ondudam koṭṭ = aḷuki .... bhṛityatvamam pāṇḍar = enīlanuḍ = eleṭē*. The sense is: "when it is said that powerful hostile kings begged for protection, surrendered their strength of arm, offered whatever was asked, and in fear and terror became his servants, will they be able to cross him .... and contend with him in battle?"—R. B. R. N.]
- „ 71, l. 26.—[correct to *kolvud-aṃt = irkke*: "let alone his slaying the foes that oppose him, is he not, when enraged, able to terrify....?"—R. B. R. N.]
- „ 71, l. 28.—[read *ninnōḷ biḍad = eḍaruvaram = uñṭe*, "is he who opposes you possessor of the trident, etc."?, i.e., is he Śiva? The meaning is that none but Śiva can confront him in battle.—R. B. R. N.]
- „ 84, l. 19.—[read *suputraḥ kuḷa dīpaka yenisī*.—R. B. R. N.]
- [Rao Bahadur R. Narasimhāchārya, who has kindly contributed the above notes which are acknowledged under his initials, further points out that the Kanarese poet Nayasēna of Muḷgund, who wrote in 1112 the *Dharmāmṛita*, was a disciple of Narēndrasēna II of the Lakshmēshwar inscription of 1081 (above, p. 58). Nayasēna mentions among Jain teachers a previous Narēndrasēna, and immediately after him a Nayasēna.—L. D. B.]
- „ 96, trans., ll. 41-4 :—for *others of ahipativamśu* read *of other royal lines*.—F. W. T.]
- „ 225, ll. 33-4 and p. 229, v. 2.—[Rao Bahadur R. Narasimhachar writes, "the expression *hadinēṃṭu mettina gaḷe*, which means 'a pole of eighteen feet' used for measuring, has been misunderstood both by the publisher (sc. author) and the editor (p. 229)"—L. D. B.] But, with the following word *kattāḷe*, which means 'service (in a temple)', the explanation of the Rao Bahadur cannot hold good.—H. K. S.]
- „ 232, text, l. 3 :—for *āvāptim = e (?) tad-dharma* read *āvāpti-hēṭṭor=dharma*.—F. W. T.]
- „ 289, 5th line from bottom :—for Śāstrirāya in column 3 read Śāstrirāya.
- „ 325, line 403 (correctly 404) of the Text,—for Jaminam(ta)-Bhaṭṭa read Ananta-Bhaṭṭa.
- „ 354, text, l. 10.—*Markkola* generally occurs as *mārkkoḷe* or *mārkkoḷvara* and means "if opposed" or "opposing" (see line 35 of inscription B). Bhairava was not specially famous as an archer. Hence *bhairava* is to be taken here in the sense of 'terrible' i.e., terrible to the opposing (enemy).—H. K. S.]
- „ „ „ 13.—*aras-aṅka-Rudram* must be translated "a Rudra in fighting with kings."—H. K. S.]
- „ 355 trans., ll. 3-16.—"sprung from the race which presides over eighty-four towns and is consecrated in eighteen world-famed horse-sacrifices to (the god of) the

- 23 दकदानधारापूर्वकवागि धारेयने००दु<sup>1</sup>  
 24 कीटेउ<sup>2</sup> [॥\*] आ आप्यणगकु<sup>3</sup> नम<sup>4</sup> कय्यलु<sup>5</sup> प्रति-  
 25 अहिसि श्रीरंगनाथदेव<sup>6</sup> प्रीतियागि  
 26 आ न००ऊरग्रामके<sup>7</sup> श्रीरंगनाथपुर-  
 27 वेव नामवनु<sup>8</sup> माडिकोटु<sup>9</sup> श्रीरंगनाथ-  
 28 देवरिगे प्रतिदिनौ<sup>10</sup> नडुसुव<sup>11</sup> कट्टकेय विवर [॥\*]  
 29 सोपस्करवागि एरडु हरिवाणद कट्टकेय-  
 30 लुक्क<sup>12</sup> नैवेद्य दीप नंदादीप गंध पु[ष्य]मा-

*Second Plate : Second Side.*

- 31 ले धूप दोप तांबूलादि सहितवह सांगो-  
 32 पांगवाद वौदु<sup>13</sup> होतिन<sup>14</sup> अवसरव नडुसु-  
 33 वदकेज<sup>15</sup> देवरिगे आ श्रीरंगस्थानदलु<sup>16</sup> हदि-  
 34 नेंटु मेट्टिन गळेय कट्टकेयलु न००यि-  
 35 प्पतु<sup>17</sup> गुळिय च्चद नंदनवनवनू<sup>18</sup> मा-  
 36 डिमुवदकेज<sup>19</sup> आ श्रीरंगस्थानद पौळिय वो-<sup>20</sup>  
 37 ऊगे वौदु<sup>21</sup> क्कचद<sup>22</sup> मनेयनू<sup>23</sup> कहिसि आ छन्न-<sup>24</sup>  
 38 द पाकयन्नके<sup>25a</sup> तक्क द्रव्यवनू<sup>26</sup> संपादिसि कोडु  
 39 आ मनेयलु<sup>27</sup> हनेरडुमंदि<sup>28</sup> ब्राह्मरिगे<sup>29</sup>  
 40 पाकयन्नके<sup>25a</sup> ओव<sup>24</sup> ब्राह्मणनू<sup>29</sup> माडिकोटु

*Third Plate : First Side.*

- 41 प्रतिदिनौ<sup>10</sup> ब्रीहितंडुलांन<sup>30</sup> सूप आज्य नाक्कु  
 42 शाक तक्क तांबूल सहितवागि ब्राह्मणभो-  
 43 जनद कट्टकेय हसन्नव<sup>22</sup> नडुसुवदकेज<sup>15</sup> आ  
 44 न००ऊरग्रामदलु<sup>7</sup> एंटुमंदि<sup>27</sup> ब्राह्म-

<sup>1</sup> Read 'ने००दु.

<sup>4</sup> Read नम.

<sup>7</sup> Read 'न००ऊर'.

<sup>10</sup> Read प्रतिदिनव.

<sup>13</sup> Read वौदु.

<sup>16</sup> Read 'स्थानदलु.

<sup>9</sup> Read 'दकु.

<sup>22</sup> Read हच.

<sup>25a</sup> [Perhaps पाकयन्न was intended.—H. K. S.]

<sup>25</sup> Read 'कु.

<sup>27</sup> Read ब्राह्मणरिगे. [ब्राह्म is used more often in popular language than ब्राह्मण.—H. K. S.]

<sup>28</sup> Read 'व.

<sup>2</sup> Read कीट्टु.

<sup>5</sup> Read कय्यलु.

<sup>8</sup> Read नामवनु.

<sup>11</sup> Read नडुसुव.

<sup>14</sup> Read होतिन.

<sup>17</sup> Read 'नु.

<sup>20</sup> Read वो.

<sup>23</sup> Read 'नू.

<sup>26</sup> Read हनेरडु.

<sup>29</sup> Read ब्राह्मणनू.

<sup>3</sup> Read आप्यण.

<sup>6</sup> Read 'देवर.

<sup>9</sup> Read माडिकोटु.

<sup>12</sup> Read कट्टकेयलु.

<sup>15</sup> Read नडुसुवदकु.

<sup>18</sup> Read 'नू.

<sup>21</sup> Read वौदु.

<sup>24</sup> Read 'व.

<sup>30</sup> Read 'लांन,

Frontal Eye (Śiva)". This translation admits of another interpretation. The text, in that case, is to be transcribed: "*chatur-aśīti-nagar-ādhiṣṭhita-Lalāṭa-lōchanam jagad-vidit-āshṭādaś-Āśvamēdha-dīkṣita-kula-pra-sūtam*", and the translation, would then be: "who had settled (i.e., consecrated) Śiva (Lalāṭa-lōchana) in eighty-four towns and was sprung from a race which had performed the eighteen world-famed Āśvamēdha sacrifices." Sacrifices performed to please the god Śiva exclusively are rare. He, like other deities, receives only a share in a sacrifice. See above, page 41, and Addenda and Corrigenda thereto.—H. K. S.

Page 356, para. 2, l. 3.—*Kīrttiḡa* in verse 1 of the Text refers very likely to the *haṇḡavaḡa* Kīrtti, who is distinctly so called in ll. 40, 42, 43.—H. K. S.

„ 356, l. 14 from top.—*Muṭṭabbe* means 'great-grandmother' and therefore it is not impossible that the pillar in question was a gift for the merit of Kīrttiyanna's great-grandmother.—H. K. S.

„ 357 (text), l. 14,—*ēḡ-turuḡ-ādod(ḡ)-ādudē*. The meaning is not what is given in the translation: the passage should be divided *ēḡ! turuḡ-gādoḡ-ādudē* "Nay! was it acquired by protecting cows?" *Nṛpa-Mōru*, occurring twice in ll. 13 and 16 may have been a surname of Chaṭṭuḡa.—H. K. S.

„ 358, trans., v. 2.—"the god giving blessing of glory"—Evidently the translation of *Kīrti-Saṃkara-dēvam* should be "the god (Śiva) named Kīrti-Śaṃkara." This must have been the name of a shrine in the Madhukēśvara temple or somewhere in its neighbourhood. It is evident that Kīrtti-Śaṃkara was the name of the Śiva temple built by Kīrttiḡa.—H. K. S.

„ 360 trans., v. 17.—The translation ought in my opinion to be:—"The fame of the sole nero-king of the world increases as each (poet) eulogises him, just as the lotus rises according as the water rises high (in the tank)".—H. K. S.

- 45 रिगि प्रत्येकरिगे नाहकु माउ<sup>1</sup> महेय म-  
 46 रियादेयलु<sup>2</sup> सर्वमान्यवाशि<sup>3</sup> को-  
 47 हु नडसुवदकेज<sup>4</sup> मेले आ जरसु<sup>5</sup> एनु इ-  
 48 द्विदनु<sup>6</sup> नोउ<sup>7</sup> सर्वमान्यवाशि<sup>8</sup> अनुभविसुवद-  
 49 केज<sup>9</sup> आ ग्रामवतु<sup>10</sup> हिरण्योदक<sup>10</sup> दानधारा-  
 50 पूर्वकवागि सर्वमान्यवाशि<sup>8</sup> धारयने००-

*Third Plate : Second Side.*

- 51 दु कोहु यी<sup>11</sup> अर्थके<sup>12</sup> दानशासनपचवन<sup>13</sup> कोटु<sup>14</sup> अ<sup>15</sup>  
 52 ग्रामद चतुस्त्रीमेयलु<sup>16</sup> शंखचक्रद कल नडिसि को-  
 53 हु अक्षिणि आगामि निधि निक्षेप जल पाषाण सिद्ध  
 54 साध्य अष्टभोगतेजस्वाम्य<sup>17</sup> सर्वप्राप्ति समस्तव-  
 55 कि सहित अनुभविसुवहागि सद्यः परिच्छेद<sup>18</sup>-  
 56 वागि अ<sup>16</sup> अप्यंगगकु देव<sup>19</sup> ब्राह्मणर<sup>20</sup> धं<sup>21</sup>  
 57 मन्त्रार्थगकिगे कोहरागि अदू नाउ<sup>22</sup> माडि-  
 58 द धर्मवादकारण<sup>21</sup> नोउ<sup>23</sup> अप्यंगगकिगे ओडं-  
 59 बहू कोह यिदिरेदे<sup>24</sup> मर्यादेयलु<sup>25</sup> आ केळंगुना-  
 60 उ कावेरिय तोरद श्रीरंगनाथपुरवाद न००-

*Fourth Plate : First Side.*

- 61 जर<sup>26</sup> कालुवकि सह ग्रामदलु<sup>27</sup> के०० कटे<sup>28</sup> कालुवेय-  
 62 नु<sup>29</sup> अप्यंगगकु निमगे कोटंथा द्रव्यदिंदी<sup>30</sup> निं-  
 63 म<sup>31</sup> कैय<sup>32</sup> द्रव्यदिंदी<sup>30</sup> कहिसिकोहु तोट महे-  
 64 यनू<sup>33</sup> माडिसि व्यवसायदिह रूप माडिको-  
 65 उ अवर धारयने००दु कोह जयसं[व]-

<sup>1</sup> Read मावु.

<sup>4</sup> Read नडसुवदके.

<sup>6</sup> Read ००. [There is no necessity for this correction.—H. K. S.]

<sup>8</sup> Read ०दकु.

<sup>11</sup> Read ई.

<sup>14</sup> Read ०द.

<sup>17</sup> Read तेजस्वाम्य.

<sup>20</sup> Read ब्राह्मणर.

<sup>23</sup> Read नीवु.

<sup>26</sup> Read न०० वर.

<sup>29</sup> Read वु.

<sup>32</sup> Read य.

<sup>2</sup> Read ०हु.

<sup>5</sup> Read ०हु.

<sup>9</sup> Read ०हु.

<sup>12</sup> Read ०हु.

<sup>15</sup> Read आ.

<sup>18</sup> Read परिच्छेद.

<sup>21</sup> Read धं.

<sup>24</sup> Read एदिरीहु०.

<sup>27</sup> Read ०हु.

<sup>30</sup> Read ०दिंदी or दिंदी.

<sup>33</sup> Read ०हु.

<sup>3</sup> Omit the *anuvāra* on मा.

<sup>7</sup> Read नीवु.

<sup>10</sup> Read हिरण्योदक०.

<sup>13</sup> Read ०हु.

<sup>16</sup> Read ०हिसियलु.

<sup>19</sup> Read देव.

<sup>22</sup> Read मावु.

<sup>25</sup> Read ०हु.

<sup>28</sup> Read ०द.

<sup>31</sup> Read निं.



- 66 कसरद<sup>1</sup> भाद्रपद व १ मीदखानि श्रीरंगनाथ-  
 67 देवरिगे प्रतिदिनो<sup>2</sup> सोपस्करवाणि <sup>3</sup>मस्थानद कष्टके  
 68 मरियादेयलु<sup>4</sup> एरडु हरिवाणदलु<sup>5</sup> नैवे-  
 69 द्य दीप नंदादीप गंध पुष्पमालि धूप दीप तां-  
 70 बूलादि सहितवह सांगोपांगवाणि उदे<sup>6</sup>

## Fourth Plate : Second Side.

- 71 यकालद एरडनेय अवसरवन<sup>7</sup> तप्पदे नड<sup>8</sup>-  
 72 सि देवरिगे <sup>9</sup>म स्थानदलु इदिनेटु मेष्टिनगकेय  
 73 [क]ष्टकेयलु<sup>10</sup> नूळयिप्पतु<sup>11</sup> गुकिय चेत्रद नंदनव-  
 74 नवन<sup>12</sup> माडिसि अस्ति आदंथा पुष्पफलवन<sup>13</sup> दे[व]-  
 75 रिगे समर्पिसुवहागे कष्टकेय माडि आ स्था-  
 76 नद पौकिय ओळगे ओदु कसचद<sup>14</sup> मनेय-  
 77 नू<sup>15</sup> कष्टिसि आ कसचद<sup>14</sup> पाकयन्नके वोव<sup>16</sup> ब्राह्मणं-  
 78 नू<sup>17</sup> माडि आ पाकयन्नके तन्न द्रव्यवन<sup>18</sup> संपादि-  
 79 सि कोट्टु अ<sup>9</sup> मनियलु<sup>19</sup> प्रतिदिनो<sup>2</sup> इनेरडु<sup>20</sup> मं-  
 80 दि ब्राह्मरिगे<sup>21</sup> व्रीहितंडुलां<sup>22</sup> रूप आण्य

## Fifth Plate : First Side.

- 81 नाळकु शाक तन्न तांबूल सहितवाणि ब्राह्म-  
 82 णभोजनके<sup>23</sup> नेलु[कु] कष्टकेय दसचवन<sup>24</sup> नड<sup>8</sup>सि  
 83 आ नळुजर यामदलु<sup>25</sup> एंटु मंदि ब्राह्म-  
 84 रिगे<sup>21</sup> प्रत्थी<sup>26</sup> करिगे नाळकु माच<sup>27</sup> गदे<sup>28</sup>य मर्यादे-  
 85 यलु<sup>4</sup> सर्व्वमांन्यवाणि<sup>29</sup> कोट्टु नड<sup>8</sup>सि मेलि  
 86 आ जरलु<sup>30</sup> एनु इटिदनु<sup>31</sup> आनुभविसु-

<sup>1</sup> Read °संवत्सरद.<sup>4</sup> Read °बु.<sup>7</sup> Read नू.<sup>10</sup> Read °बु.<sup>13</sup> Read पुष्पफलवन.<sup>16</sup> Read °म्व.<sup>19</sup> Read मनेयलु.<sup>21</sup> Read ब्राह्मरिगे. See above, p. 225, note 27.<sup>23</sup> Read °के.<sup>26</sup> Read °र्ये°.<sup>29</sup> Omit the *anuvāra* on सं.<sup>2</sup> Read प्रतिदिनव.<sup>5</sup> Read °दलुटु.<sup>8</sup> Read °कु°.<sup>11</sup> Read °तु°.<sup>14</sup> Read कचद.<sup>17</sup> Read ब्राह्मणन.<sup>20</sup> Read इनेरडु°.<sup>24</sup> Read कचवन.<sup>27</sup> Read नावु.<sup>30</sup> Read °कु.<sup>3</sup> Read आस्त्रा.<sup>6</sup> Read द.<sup>9</sup> Read आ.<sup>12</sup> Read °नू.<sup>15</sup> Read नू.<sup>18</sup> Read नू.<sup>22</sup> Read °लात्र.<sup>25</sup> Read नळुजर यामदलु.<sup>28</sup> Read °के°.<sup>31</sup> Read इ. See above, p. 226, note 6.



# EPIGRAPHIA INDICA

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## VOLUME XVI

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### No. 1.—SOGAL INSCRIPTION OF THE REIGN OF TAILA II: SAKA 902.

By LIONEL D. BARNETT.

**Sogal** is a village in the Parasgad *tāluka* of Belgaum District, Bombay Presidency. Its ancient name is given in our inscription variously as **Sovāl**, **Sōlu** and **Sōl**; to this we shall revert anon. It is marked on the Bombay Survey sheet No. 305 as in about long.  $75^{\circ} 1'$  and lat.  $15^{\circ} 5'$ . The following record is now edited for the first time from ink-impressions prepared for the late Dr. Fleet, and now in the British Museum; but I have been unable to discover in what part of the village the original stone was found. The latter bears on its topmost compartment, which is rounded, some **sculptures**, viz. in the centre a shrine surmounted by a spire of the Dravidian order, and in it a *linga* on its stand, with a priest sitting at the proper right of it; directly below it, a squatting bull; to the proper left of the shrine, a squatting figure of a votary, with clasped hands, facing full front; to the right of it, a cow with suckling calf looking towards it; over it, the sun (on proper right) and moon (on left); flanking both sides of the shrine and meeting over its summit, floral festoons twined so as to form four circles, in which are small figures. Below this is the inscribed area, consisting of three compartments: the first (lines 1-3) is 1 ft.  $8\frac{3}{4}$  in. wide and  $2\frac{3}{8}$  in. high; the second (lines 4-64) is 2 ft. wide and 3 ft.  $10\frac{1}{2}$  in. high; and the third (lines 65-68) is 1 ft. 9 in. wide and 4 in. high. The inscription is on the whole well preserved.—The **character** is Kanarese, of a rather crabbed type of the period; the letters vary from about  $\frac{1}{8}$  in. to  $\frac{3}{8}$  in. in height. The cursive *v* (above, Vol. XII, p. 335) occurs in *Vri* (l. 5).—The **language** is Old Kanarese, except for the formal Sanskrit verses Nos. 1, 34, and 35. The *ḷ* is preserved in *iḷlu* (l. 2), *negalḷa* (l. 32: a tribrach); it is changed to *r* in *pogarḍḍam* (l. 9) and *portṭum* (l. 13); and in all other cases it is changed to *l*. The archaic participle in *-om* occurs in *pratipālīsidoṃge* (l. 58), in what seems to be a quotation from an earlier poem; in the same verse we find *ghātīsidoṃge*. *Paripatikaye* (l. 30) and *bhūmiye* (l. 52) are instrumentals; see above, Vol. XIV, p. 277 n. In the words *Kamchale-kānteya biṭṭa dharmmamam* (l. 55) we have what looks like an instance of the use of **genitive for nominative** (Kittel, *Gram.*, § 352. 1, p. 393: see my note in *Journ. R. Asiat. Soc.*, 1918, p. 105). In *Rāghava-dvishana nachchura* (l. 18) it is possible to take °*dvishana* similarly as **genitive for nominative**; but I prefer to regard it as **accusative**, on which see Dr. Fleet's remarks above, Vol. XI, p. 3. A few words are of lexical interest, viz. *gadduge* (l. 12: cf. Kashmiri *goḍ* ?), *seligu* (l. 15: apparently a derivative from *śalākā*), *vikēlu* (l. 35), *rāṇa* (l. 41), and *vibhōga* (l. 46).

The **record**, after prefatory verses (ll. 1-5), describes the beauties of the surrounding woods (ll. 5-7) and the sanctuary of **Suvarṇākshi**, on which see below (ll. 7-16). In this

- 87 वेवेदु<sup>1</sup> नीउ<sup>2</sup> आप्पणगळिगे षोडंबदु कोट यि-  
 88 दिरे[डि]<sup>3</sup> मर्यादेयलु<sup>4</sup> तप्पदे नड<sup>5</sup>सि सुखदिं  
 89 भोगिसूदु<sup>6</sup> ॥ नाउ<sup>7</sup> यी<sup>8</sup> धर्मवन्<sup>9</sup> सर्वमा-  
 90 न्यवागि आचंद्राक्ष्णायियागि तप्पदे नड<sup>5</sup>सि-

*Fifth Plate : Second Side.*

- 91 बहेवेदु षोडंबदु<sup>10</sup> कोट<sup>11</sup> धर्मशासन<sup>12</sup> [॥\*]  
 92 खदत्तां परदत्तां वा यो हरेत वसु-  
 93 धरां [॥\*] षष्टिर्व्यवसहस्राणि<sup>13</sup> विष्ठायां  
 94 जायते क्रिमिः ॥ [२\*] सामान्योयं धं-<sup>14</sup>  
 95 र्मसितुर्वपाणां<sup>15</sup> कालि कालि पाल-  
 96 नोयो भवद्भिः । सर्वानितां<sup>16</sup>न्माविनः (।)  
 97 पार्दिवंद्रान्<sup>17</sup> भूयो भूयो या-  
 98 चते रामचंद्रः ॥ [३\*] ओरोरदेवरा-  
 99 य [॥\*]

#### ABSTRACT OF CONTENTS.

(Ll. 1-5.) Adoration to Vishnu in his Boar incarnation.

(Ll. 5-13.) In the Śālivāhana Śaka year 1336, corresponding to the cyclic year Jaya on the first tithi of the dark fortnight of the month Bhādrapada, on a Friday, *Mahī-maṇḍalēśvara* Vira-Harihara-Rāya Oḍeya, son of Vira-Pratāpa-dēva-Rāya *Mahārāya*, who possessed the titles *Mahārājādhirāja* and *Rājapuramēśvara*, gave to Uttamanambi, son of Uttamanambi, of the Kāśyapa *gōtra* and the Rik *śākhā*, (a servant) of the temple<sup>18</sup> of Śrī-Raṅganātha, a deed of a charitable gift, the terms of which are as follows :—

(Ll. 14-24.) “In the presence of the god Mādhava-dēva of Chēvūrakōṭe in our kingdom, which is situated on the river Bhavānī, We, for the propitiation of the god Tryambaka, granted to Appannagaḷu, son of Ichappagaḷu, of the Bhāradvāja *gōtra* and the Yajus *śākhā*, on the Śravaṇa-Dvādaśī tithi of the bright fortnight of the month Bhādrapada of the year Jaya, the village of Naruvūru, situated on the bank of the river Kāvērī, in Keḷaṅgu *nāḷu* of the Rāyarāpura *vēṇṭheya* (circuit or district) with all its appurtenances (?) (*kīluvali*)—a village which yields at present fourteen *hons*, as an *śkabhōga* (village) by the pouring of gift-water (on the hands of the donee) together with gold.

(Ll. 24-28.) “This Appannagaḷu, having received it from our hands, gave the village of Naruvūru the name of Śrīraṅganāthapura and established a course of offerings, etc., to be made daily to the god Śrīraṅganātha, which is as follows :—

<sup>1</sup> Read चनुभं.

<sup>4</sup> Read ०कु.

<sup>7</sup> Read नावु.

<sup>10</sup> Read ०दु.

<sup>13</sup> Read षष्टिवंदे.

<sup>16</sup> Read ०तां.

<sup>2</sup> Read नीवु.

<sup>5</sup> Read ०डु.

<sup>9</sup> Read दं.

<sup>11</sup> Read ०दु.

<sup>14</sup> Read चं.

<sup>17</sup> Read पार्थिवचंद्रान्.

<sup>3</sup> Read एदिरौडु.

<sup>6</sup> Read ०भोगिसुवदु.

<sup>9</sup> Read धर्मवन्नु.

<sup>12</sup> Read चं.

<sup>15</sup> Read ०वृपाणां.

<sup>18</sup> [*Śthāna* throughout this inscription seems to be used in the sense of temple; cf. *sthānika*, a worshipper.—

establishment the chief was **Tribhuvanasimha Paṇḍita**, an eminent ascetic and divine (ll. 16-17). The foundation-legend of the place is told in outline (ll. 17-21). It was established by the kings **Māli** and **Sumāli** at the end of the **Trētā** Age. The latter gave his name to the place; for the names by which it is designated—**Sōlu** (ll. 20, 44), **Sōl** (l. 50), and **Soval** (l. 54)—are derived from *Sumāli* (or *Saumāla*).<sup>1</sup> The poet then introduces us to another distinguished Śaiva doctor, **Gaṅgarāsi** (ll. 21-24), and to one of his lay disciples, named **Kañchikabbe** (**Kañchiyabbe** or **Kañchale**), of the Dhanaga family, the wife of **Kariya Kētimayya** and mother of **Chaṭṭa**, a generous benefactress of her church (ll. 24-33). He next devotes a verse (ll. 33-36) to the praises of king **Taila**, whom he describes as having conquered the **Chōla** and **Lāla** (**Lāṭa**), and cut off the heads of **Raṇakambha** and **Kakkala**.<sup>2</sup> The next passage (ll. 36-39) refers the record to Taila's reign, styling him **Nūрмаḍi-Tailapa-dēva**, with various titles, on which see *Dyn. Kanar. Distr.*, p. 428; and then there appears on the scene a **Raṭṭa** prince named **Katta**, son of **Kaṇṭheyabhārada Nannapayya**, who at the time was ruling as Taila's viceroy over **Kūṇḍi** (ll. 39-43). This Katta is identical with **Kārtavīrya I**, on whom see *Dyn. Kanar. Distr.*, p. 553. The next section (ll. 43-57) is occupied with the dating and specification of the endowment made by Kañchiyabbe for the benefit of the temple of **Suvarṇākshi** and the *śaṭra* or almshouse connected with it; its trustee was **Tribhuvanasimha**, and it was to be under the protection of the Thirty (heads of households) of **Soval**. Several hortatory verses (ll. 57-65) clinch the deed of gift: the first is evidently a quotation, as it addresses an otherwise unknown **Dēvaṇa Paṇḍita**, and the third and fourth narrate the legend of **Indra** and the **Chāṇḍālī**. A further verse (ll. 66-67) informs us that the poet who composed our inscription was **Kamalāditya** [more likely **Kavikamalāditya**.—Ed.]; and a final clause stipulates that the cooking at the almshouse must be done by a **Brāhmaṇ** woman (ll. 67-68).

**Māli** and **Sumāli**, the protagonists of the foundation-legend mentioned above, are the **Rākshasas** whose history is narrated in the *Rāmāyaṇa*, VII. v. ff., and *Bhāgavata-purāṇa*, VI. x. 21 and VIII. x. 56. A clue to the mystery of their appearance in the present legend seems to be afforded by the *Brahma-vaiivarta-purāṇa*, III (*Gaṇēśa-khaṇḍa*), xviii-xix, which relates that they were devotees of Śiva, and on being smitten by the Sun-god with disease propitiated him by worship. It would therefore seem that the god **Suvarṇākshi** mentioned in our inscription was the Sun-god, worshipped as a phase of Śiva; and this will partly explain the rather obscure verse 18, which refers to his temple.

The date<sup>3</sup> is given on ll. 43-44 as: Śaka 902, the cyclic year **Vikrama**; the new-moon day of **Āshāḍha**; Sunday; an eclipse of the sun. This is irregular, according to the usual calculation. The *tithi* mentioned corresponded to **Wednesday, 14 July, A.D. 980**, on which it ended at 21 h. 7 m. after mean sunrise (for **Ujjain**); and there was no eclipse of the sun. But Mr. A. Venkatasubbiah, who has discussed the data in his *Some Śaka Dates in Inscriptions*, p. 133, remarks: "According to the Ārya and Brahma Siddhāntas the mean-sign Jovian year **Vikrama** was current at the beginning of **Āshāḍha** in Ś. 900. On the *amāvāsya* at the beginning of this **Āshāḍha**, 8th June, A.D. 978, there took place a solar eclipse which was visible in India. The week-day however was Saturday and not Sunday. This Saturday—8th June, A.D. 978—seems to be the equivalent of the given date."

The places mentioned are **Sogal** itself, which appears in the form of **Sōlu** (ll. 20, 44), **Sōl** (l. 50), and **Soval** (l. 54), **Kūṇḍi** (ll. 19, 42), **Mārājana** (?) **Beḷavāḍi** (l. 28), and

<sup>1</sup> This equation is phonetically unimpeachable, but on other grounds it is not convincing. However that may be, it is clear that the oldest form of the name was *Soval*. The modern name *Sogal* is an instance of the change of intervocalic *v* to *g*, which, as far as I know, is rare, whereas the reverse change, *g* to *v*, is very common.

<sup>2</sup> See *Dyn. Kan. Distr.*, p. 426; *Ep. Ind.*, Vol. XII, p. 144, etc. The names appear also in the forms *Kanastambha* and *Karkara*.

<sup>3</sup> I have to thank Mr. R. Sewell for his kindness in verifying my calculations.

(Ll. 29-33.) "Two plate-offerings with necessary equipments consisting of food, waving lights, perpetual lights, sandal paste, flower-garland, incense, light (of camphor to be waved in front) and betel-leaves and nuts, together with all concomitants, are to be offered once a day;<sup>1</sup>

(Ll. 33-36.) "A flower garden (of the extent) of one hundred and twenty *kuḷis* of land is to be cultivated (for the supply of flowers to make garlands to be worn by the image of the god) on the occasion of the service (called) *padineṭṭāmpaḍi* (?)<sup>2</sup> in the temple of Śrīraṅga.

(Ll. 36-43.) "A house being built within the enclosure of the temple of Śrīraṅga, to serve as a *chhatra* and necessary money to conduct the feeding being procured arrangements should be made to appoint a Brāhmaṇa servant to cook for the feeding of twelve Brāhmaṇas daily, with rice, dhāl, ghoe, four vegetable curries, butter-milk, together with betel-leaves and nuts.

(Ll. 44-47.) "Eight Brāhmaṇas in the village of Naṇuvūru should each be given rent-free four *ma* of wet land.

(Ll. 47-49.) "And the remaining produce of the village, after meeting all these expenses he may enjoy as rent-free.

(Ll. 49-57.) "With these objects in view he, Appanna, granted the village (to you) by the pouring of water, together with gold, as a freehold, and, having executed this deed of a charitable grant, fixed on the boundaries of this village stones bearing the *śaṅkha* and the *chakra* (the emblems of Viṣṇu, to whom the village is granted), so that you might enjoy the village with the eight kinds of enjoyment (enumerated), all income and all taxes and conduct the charitable acts towards the god and the Brāhmaṇas.

(Ll. 57-89.) "And, since this is an act of charity which We (*i.e.* prince Harihara) have (first) instituted, you (Uttamanambi) should conduct the charities (which are once again repeated completely, as in ll. 28-56) according to the bond (*edirēḍu*) you have given in your turn to Appannagaḷu with your consent; (besides this), you should dig tanks, wells and canals in the village of Naṇuvūru<sup>3</sup> either from the money given to you by Appannagaḷu or from your own pocket, convert the land into gardens and paddy fields, improve the agricultural prospects in it and conduct the charity from the said first *tithi* of the dark fortnight of the month of Bhādrapada of the year Jaya.

(Ll. 89-93.) "This is the charity deed given (to you) by Us with the firm faith that you (Uttamanambi) will conduct the charities as long as the moon and the sun exist."<sup>4</sup>

(Ll. 93-98 contain the usual imprecatory verses.)

(Ll. 98-99 bear the signature of the king Vīra-dēva-Rāya.)

<sup>1</sup> [In repeating for the second time these stipulations in ll. 67 to 87 the inscription states that the service here noted was the second of the morning offerings to the god (l. 70 f.).—H. K. S.]

<sup>2</sup> [The Kannada words *hadinenṣu meṭṭu* certainly suggest the well-known service called *padineṭṭāmpaḍi* in the temple of Śrī-Raṅganātha; but the meaning of *gaḷeya* remains unexplained. Perhaps the author of the inscription used *gaḷeya* in the sense of the genitive plural *gaḷa*; cf. the use of *vēṇṭheya* for *vēṇṭhe*.—H. K. S.]

<sup>3</sup> Instead of "either from . . . or", we can translate also "both from . . . and". See above, p. 226, note 30.

<sup>4</sup> [The translation given does not appear to be correct. The king says that he would of his own free will agree to declare the charities (recorded in the grant) tax-free as long as the moon and sun exist.—H. K. S.]

**Tēgūr** (l. 49). On the name and site of Sogal see above. For the Kāṇḍi Threo-thousand see *I. A.*, Vol. XXIX, p. 278. Belavāḍi may be "Belwadi" ("Belowuddee" of the old Indian Atlas), which lies in Sāmpgāon *tāluka*, some 9½ miles SSW. from Sogal. Tēgūr may conceivably be one of two places of that name: there is a Tēgūr in Sāmpgāon *tāluka*, some 22 miles SW. from Sogal, and another in Dhārūr *tāluka*, about the same distance SSW. from Sogal; but both of them are too far to suit the requirements of our text. The other places cannot be identified.

TEXT.<sup>1</sup>

[Metres: vv. 1, 34-5, *Anushṭubh*; vv. 2, 5-10, 12, 14, 16-19, 22-27, 29, 31-33, 36, *Kanda*; vv. 3, 4, 11, 28, 30, *Utpalamālā*; vv. 13, 20, *Mattēbhavikrīḍita*; vv. 15, 21, *Champakamālā*.]

- 1 Ōm<sup>2</sup> Namas=tuṅga-sīraś-chuṁbi-chāndra-chāmara-chāravō | trailōkya-nagar-āraṁbha-
- 2 mñā-stambhāya Sa(Śa)mblāvō || [1\*] Śrīmat-Suvarṇpākshi-dēvara tīrtthadal-
- 3 \* \* \* \* \* ntarō (?) tapōdhana \* \* \* \* \*
- 4 Śrīmad-anavarata-Dannja-nar-āmara-maṇi-makuṭa-taṭa-ghaṭita-pada-padm-ōddāma-yugaḷam
- 5 trilōka-svāmi Suvarṇpākshi-dēvar=ig=emag-olpu || [2\*] Vṛi || Paṁkaja-shaṇḍa-
- 6 diṁd-eseva. neydala pñ-go-
- 7 n-im-charadiṁ pugāl=emba kōkīl-āḷamkri(kṛi)tadiṁde sāla-banam=oppuvud=i viśhay-
- 8 āntarāḷado || [3\*] Alliya
- 9 nīrjihar-ōdakadiṁ=oppuva tīrttham=id=i jagakke peṁp=ellaman=ānta Śaṁkara-
- 10 Sayambhu-Suvarṇamahākshi-dēva.<sup>4</sup>
- 9 pād-ollasit-āmbujamḷaṇe pūjipa bhakti(kṭa)-janakke mukti taḷv-illado kṇḍug-
- 10 emdu pogardda(ḷda)ṁ kavī-śa(śa)-
- 10 mada-prabhaṁjana || [4\*] Ka || Puligale dharmma-śravaṇaman=ele miḍukado
- 11 kēl[n\*]t-irppuv=ara-giḷigal nirmmaḷa(la)-
- 11 munipaś(r)=ōduv=ōdaṁ chāḷavādeḍey<sup>5</sup>-aridu pēdvu(ḷvu)v=irulūḥ pagalum ||
- 12 [5\*] Vānara-saṁhati dēva-saṁam mādūva-
- 12 rgge(rge) gaddugeya nīraṁ san-mānade tand=ivuv=enalk=ān=aṇiyem pogalal=avara
- 13 tapad=ugrateya || [6\*] Pāpi pugā-
- 13 lu pugāl=ugrada kōpi pugalu pugāl=aśēsha-dharmma-drōha-vyāpāri pugāl=pugāl-
- 14 end=ā porttūṁ kōkīlāmgaḷ=u-
- 14 ligum banadoḷu || [7\*] Gaḷapuv=ara-giḷiya kukiluva kaḷa-haṁse(so)ya gūvarippa
- 15 peṇ-dhu(du)mbiya bāvaḷisuva puru-
- 15 ḷiya ko[m\*]ḍamgaḷan=agisuva ravame nagada nālkuṁ deseyoḷu || [8\*] Nōḍa
- 16 tanu muṭṭe siddham=mādūva solig=ant=aśēsha-rasa-
- 16 mēḷikegaḷu kṇḍugum=amarēndratvaman=āḍuvar=achcharas[i\*]ya[r\*]kkaḷ=ā muni-
- 17 kuḷama || [9\*] Int=enisuva sidḷha-kshōtr-āntara-
- 17 tīrtthakke mukhyān-āśrita-sura-bhājaṁ Tribhuvanasiṁha-muniṁdraṁ tāpasa-gōtra-
- vairi-kuḷa-gaja-siṁha || [10\*] Vri(vṛi) || Nō-

<sup>1</sup> From the ink-impression.

<sup>2</sup> Denoted by the symbol like a Bengali o.

<sup>3</sup> The letters in this line are very much worn, and hardly any can be read with certainty.

<sup>4</sup> The *ea* has been omitted, and then added at the end of the line in smaller script.

<sup>5</sup> Read *chala-vādeḍey*; cf. *chala-vādi*. [No emendation is necessary; *chāḷav-ād=ēḍey=aridu* may mean 'observing the places where (the reciters) waver.'—H. K. S.]

## No. 16.—THE SANCHI INSCRIPTION OF SVAMIN JIVADAMAN: THE 13TH YEAR.

By R. D. BANERJI, M.A.

Very little is known about *Svāmin Jivadāman*, the father of the Kshatrapa Rudrasimha II, who ruled over Saurāshtra in the third and the fourth decades of the third century A.D. and who was very probably the ancestor of the Mahā-Kshatrapa *Svāmin Rudrasēna* III. No inscriptions of this period have been discovered, and one has to depend entirely on numismatics for the reconstruction of the history of this period. The line of Chāshtana seems to have come to an end with the Kshatrapa Viśvasēna, son of the Mahā-Kshatrapa Bhartṛidāman. The latest known date of Viśvasēna is Śaka 226=304 A.D.<sup>1</sup> In the following year (Ś. 227=305 A.D.) a prince named Rudrasimha strikes coins; therefore it is certain that the reign of the Kshatrapa Viśvasēna came to an end either in Ś. 226 or in Ś. 227. On this point Prof. E. J. Rapson states, "There is, however, only the possibility of a very small error in regarding Viśvasēna's last known coin date, 226, as the actual end of his reign, since his successor, the Kshatrapa Rudrasimha II, issued coins in the following year, 227."<sup>2</sup> Nothing is known about the origin of this third dynasty of Satraps of Saurāshtra. On the coins of Kshatrapa Rudrasimha II it is stated that he was the son of Svāmin Jivadāman. "With Mahākshatrapa Bhartṛidāman and his son, the Kshatrapa Viśvasēna, comes to an end the ruling family of Chāshtana. It is succeeded by a family which traces its descent back to a personage *Svāmin Jivadāman*, who, like Ghṛamotika, the father of Chāshtana, bears none of the titles which may be regarded as distinctly royal in character, 'rāja,' 'mahākshatrapa' or 'kshatrapa.'"<sup>3</sup> Prof. Rapson is inclined to agree with the late Pandit Bhagwan Lal Indraji in thinking that Svāmin Jivadāman was a scion of some younger branch of the family of Chāshtana, because of his title *Svāmin* and the affix *ādāman* to his name.

A stone inscription was discovered in the village of Kanakhāda near Sāñchi in the Bhopal State, by one of the Assistants of Sir John Marshall, Director-General of Archaeology in India, two or three years ago. This record throws some light on the hitherto obscure personality of the ancestor of the third dynasty of the Satraps of Saurāshtra. The inscription is in a very imperfect state of preservation and consists of six lines of writing. The language of the record is Sanskrit, and it is partly in prose and partly in verse. The inscribed surface measures 2' 2½" by 6½" and the average length of letters is 1¼". The record opens with a number of adjectives, and the first line ends with the name of Jivadāman. The object of the rest of the inscription is to record the excavation of a well by the Judge or General (*Mahā-Daṇḍanāyaka*) Śrīdharavarman the Scythian (Śaka), who was the son of Nanda the Scythian, in the kingdom-increasing year 13. The middle of the record has suffered considerably by flaking, and it is impossible to make out any sense at all. The last two lines contain two *pādas* of a verse in the Śārdūlavikṛīṭa metre, which records the purpose of the inscription, viz. the excavation of a well by Śrīdharavarman. The verse is followed by two numerical symbols and by three or four syllables which are illegible. The adjectives in the first line cannot refer to Jivadāman, as they begin with the word *Bhagavataḥ*. It is probable that some comparison was made between the lord who was the commander of the heavenly hosts, whose armies had never been vanquished, the lord Mahāsēna (*Skanda* or *Kārttikēya*), and Jivadāman; but the fragmentary state of the first line prevents us from making any guesses. It is quite certain, however, that the line ends with the word *Jivadāman*, the case-ending being illegible. It is also quite certain that the word *Jivadāman* is a proper name, and not an adjunct of any other name. The connection between the first line and the second line cannot be made out. It begins with the word *dharma-vijayēna*, which is an adjunct of the subject *Śrīdharavarmanā*. It contains a phrase the exact meaning of which is not apparent.

<sup>1</sup> Rapson, *B. M. Cat.*, col. 166.<sup>2</sup> *Ibid.*, col.<sup>3</sup> *Ibid.*, col.

- 18 d-ire Rāghaya-dvishana nachchuva **Māli** **Sumāli** dānavar=mmāḍida  
supratishṭe(śhṭhe)y=adarimde **Suvarṇṇamahākshi-dēvar**=emb=īḍita-
- 19 namam=ādudu **Sumāli**-pesar<sup>1</sup>=nnagarakke rōḍiyolu kōḍidud=endod=ē vogalva[ro\*]  
**Kūṇḍi-mahī-valay-āntarāḷadoḷ** || [11\*] **Ka** || **Mā-**
- 20 li-Sumāli-dvaya-bhūpālar=ddēvargge **Solu-mūvattam** sul-lileyole biṭṭu sugati-sukh-  
ālaya-
- 21 m-ā Trētey-auntya-kālade pokkar || [12\*] **Vri** || Tapamam māḍuva tāpasarkkaḷ=  
alav=all=ōhō (1) tanu-
- 22 klēsam=emb=upasarggakk=irad-āntu meyyan=aṭavi-sākhaṅgaḷam tind=Umādhīpanam  
pōjisi mu-
- 23 ktiyol=dharoyal=emid=irppam **Suvarṇṇākshi-dēva-pad-āmbhōja-śilimakh-ābhan=enipam**  
**śrī-Gaṅgarā-**
- 24 si(śi)-vratī || [13\*] **Ka** || Avar=upadēśada dharmmam kivi-vuge naiṣṭi(śhṭhi)ka-  
tapōdhana-brāhmaṇarggamin=aviśēśha-dā-
- 25 namam māḍuvud=uttama-paksham=emba san-matiyiinda || || [14\*] **Vri** || Hara-  
charaṇ-ābja-bhri(bhri)ṅgi kapaṭ-ō-
- 26 dha(da)ya-nirjjita<sup>2</sup> nirmmaḷ-āṅgi bhāsuratara-mūrtti nirmmaḷina-kīrtti dayā-paro  
dāna-dharmma-ta-
- 27 tpara-guṇa-yakte dēva-guru-bhakte sugōtra-pavitrey=emdu vistaradoḷe kīrttikum  
vasudhe santa-
- 28 tadindame **Kamchikabbeya** || [15\*] **Ka** || Mārājana<sup>3</sup> Belavāḍiya chāru-guṇam  
**Kariya Kētimayyan-a-**
- 29 vaḷu vistāra-guṇ-āmbudhi dharmmada Mēruvan=ā **Kamchikabbeyam** pogaladar=ār ||  
[16\*] **Paru-hita-guṇa-charitada**
- 30 **Dhanagara** gōtrada **Kamchiyabbe** mātā-ratnam dhareg=cseva dhā(dā)na-  
dharmmada pariṇatikeye piridu parama-māhēśva-
- 31 riṇ[ā\*] || [17\*] Śrīya dvāra-yugam li-āyata-karam=enipa sūryya-kirapa-stambham  
bhō-yuvatiy-olage sale ka-
- 32 lp-āyushyam nilkam=endod=ēn=achchariyō || [18\*] Ene negaḷda **Kamchikabbeya**  
tane(na)yam Śiva-charaṇa-yugaḷa-kama-
- 33 la-bhramaram muni-jana-bhaktum śiṣṭ-ōṣṭa-nidhānam **Chaṭṭan=ugra-pāpa-gharaṭṭa** ||  
[19\*] **Dātāra-varṇane** || **Vri** || **Baḷavach-Chōla-**
- 34 mahidharōndra-kulīśam **Lāl-ōbha-parichānanam** jaḷa-bhūbhri(bhri)d-vana-durgga-  
mārgga-jaladhi-vrātakk=elō Bāda-
- 35 v-ānaḷa-rāpari **Raṇakambha-Kakkala-śira-chelḥēdam**<sup>4</sup> rip-ūgr-āvanī-viḷay-ōtpāta-  
vikētu chakri-ti-
- 36 ḷakam śrī-**Taila-rājādhipam** || [20\*] **Sva-ti** samasta-bhuvan-āśraya **Śrī-**  
**Pri(pri)thvi-vallabha mahārājādhirāja**
- 37 paramēśva(śva)ram paramabhāṭṭarakam **Satyāsra(śra)ya-kuḷa-tiḷakam** **Chāḷuky-**  
**ābharamam** śrī-bhujā-baḷa-chakrava-
- 38 rtti **Nūrmmaḍi-Tailapa-dēva-vijaya-rājyam=uttarōttar-ābhivri(vri)dhdhi-pravardhdha-**  
**mānam=ā-chaṇḍr-ārkkā-t[ā]-**
- 39 ram saluttam-ire || Tat-pāda-padm-ōpajivigaḷ || **Vri** || **Jana-pati-chakravartti-**  
**parirakshana-daksha-**
- 40 bhuj-āsi vairi-sādhana-laya-kāri **Raṭṭa-kuḷa-bhūṣaṇan=anya-narōndra-darppa-**  
**bharājanan=avadāta-kīrtti vibhu**
- 41 **Kaṇṭheyabhārada** **Nannapayya-rāṇana** tane(na)yam vivēka-nidhi **Katta-**  
**mahibhujan=emba per-mmagam** || [21\*] **Ka** || **Ā-**

<sup>1</sup> We should expect *cesar*.<sup>2</sup> Or *Mārāṇa*: the one letter is not clear.<sup>3</sup> Read *oavjjita*.<sup>4</sup> The *chha* is made carelessly like subscript *da*.

*Sva-rājy-abhividdhi-karṣ vaijayikṣ saṁvatsarṣ* means "in the kingdom-increasing victorious year." This phrase is quite intelligible, if it is used in connection with a reigning sovereign; but its meaning becomes dubious when it is used in the case of a royal officer. In this record it is used in the case of a *Mahā-Daṇḍanāyaka*, a judge or at best a commander of forces. Now what can be the kingdom of a judge or a general? Yet the prefix *sva* shows clearly that the adjective must refer to the subject immediately preceding it, i.e. *Śrīdharavarmanā*. It is quite possible that in the troublesome times which saw the end of the first dynasty of Satraps in Western India a judge or a general may have practically obtained independence; but the use of regnal years in the case of a prince who for some reason or other had refrained from openly proclaiming his royalty is very unusual. Śrīdharavarman does not claim any royal titles: therefore it is extremely improbable that the year 13 mentioned in line 2 was a year of his reign. Most probably it is a regnal year of the reign of his master or suzerain who is mentioned in the previous line.

The other interesting feature of this record is the numerical symbols which have been incised after the last verse. The reason for putting the numerical figures at the end of the record without an explanatory word is not apparent. They are two in number. There is no doubt about the reading of the second symbol. It is a symbol for the unit and is used commonly in Kushan records and Western Satrap records and coins. The other symbol is less easily recognisable. It resembles to some extent the Kushan symbol for 70. But it seems that it is the Western Kshatrapa symbol for 200 written at one stroke. It is a modified form of the symbol for 100 commonly used on Kshatrapa coins, which consists of two semicircles placed horizontally side by side, with the right end produced downwards and then made to curve towards the left. The symbol for two hundred has a short horizontal line attached to middle of the right vertical limb, to its right. In the Sāñchi record we have a modified form of this symbol, which resembles the English letter Y written in the current hand. The symbol for 200, as used on the coins, has been modified in the inscription, because in this case the scribe attempted to write it, and in fact wrote it, at one stroke of the pen. Here we have two possible equivalents for the first numerical symbol, i.e. 70 and 200. We do not know what this number, 71 or 201, indicates. It is not preceded by any such word *varshṣ* or *saṁvatsarṣ*. Yet there is but one way of explaining the presence of the symbols, i.e. it is a date. The qualifying word seems to have been omitted through negligence. The Śaka era is almost universally used in the inscriptions and on the coins of the Western Satraps, and the prefix *Svāmin* and the affix *dāman* indicate that the master or suzerain of the Mahā-Daṇḍanāyaka Śrīdharavarman was descended from some younger branch of the family of Chāshṭana. Therefore it is extremely probable that the date used in the Sāñchi inscription is a Śaka date. Now, considering the form of the characters used in the record, it is absolutely impossible to admit that the numerical symbols at the end stand for 71. The difference in the forms of the characters used in the Junāgaḍh inscription of Rudradāman, which was incised shortly after the year 72 of the Śaka era, and those of this from Sāñchi is very great, and therefore it is quite certain that the Sāñchi inscription could not have been incised in the Śaka year 71. On the other hand, the alternative suggested gives a fitting explanation to all the points raised by the newly discovered inscription. The record mentions Svāmin Jivadāman in the first line. We know from coins that the Kshatrapa Rudrasimha II had acquired the country of Saurāshṭra in Ś. 227=305 A.D. Therefore it is quite possible that his father was alive and was ruling in Ś. 201=279 A.D.

The Sāñchi inscription, therefore, furnishes us with three different items of hitherto unknown information about Svāmin Jivadāman; it furnishes us with (1) his date, (2) minimum extent of his reign, and (3) the locality of his principality.

It is now almost certain that the date of the record is Ś. 201=279 A.D.; and the association of Jivadāman's name with it shows that he was reigning in that year. It is also extremely



[illegible]

probable that the kingdom-increasing and victorious reign of the Mahā-Daṇḍanāyaka Śrīdhara-varman is really the 13th year of Jivadāman's reign. The accession of Jivadāman can therefore be placed tentatively in Ś. 201-13=188=266 A.D. Jivadāman could not have been the ruler of Saurāshtra in Ś. 188=266 A.D., because we find an almost unbroken series of dated coins of the Mahā-Kshatrpa Rudrasēna II and his sons the Mahā-Kshatrapas Viśvasimha and Bhartṛidāman from Ś. 187 to Ś. 201. It is therefore almost certain that Svāmīn Jivadāman had no control over Saurāshtra during this period. The conclusion is, therefore, that he had begun his career as the ruler of Mālava, in which country the first record of his reign has been discovered.

As no coins of Jivadāman have been found, we are not in a position to discuss the extent of his reign. The Sāñchi inscription proves that he had ruled over Mālava for at least thirteen years. Twenty-five years after the date of the Sāñchi inscription the line of Chāshtana came to an end. The latest coin of the Kshatrpa Viśvasēna was issued in Ś. 226=304 A.D. He was succeeded by the Kshatrpa Rudrasimha II, whose earliest coin was struck in the Śaka year 227=305 A.D. The interval between the two reigns seems to have been exceedingly small. We do not know how the reign of the Kshatrpa Viśvasēna ended, nor do we know how Rudrasimha II, the son of Svāmīn Jivadāman, came to succeed him. Either Viśvasēna was defeated by Rudrasimha II and driven out of his ancestral dominions or he died without issue and Rudrasimha II succeeded as the next-of-kin. The text is edited from the original stone.

## TEXT.

- 1 Siddham<sup>1</sup> || Bhagavatas=tridaśa-gaṇa-sōnāpatēr-ajita-sēnasya svāmī-Mahāsēna-mahātēja . . . s=āditya-viryya-Jivadāma
- 2 dharmma-vijayēna Śaka-Nanda-putrēpa mahā-daṇḍanāyakēna Śakēna Śrīdhara-varmma]nā Varmma . . . srā(śrī)ya<sup>2</sup> sva-rājya-abhivṛddhi-karē vējayikō sa[m]vatsarē trayōdaśam[ē]
- 3 Śravaṇa-bahulasya daśami-pūrvvakam=ētad=divasam kalyāṇ-abhyudaya-vṛddhyartham=akshaya-svargg-āvāptim=c(?)tad-dharmma-yaśō-rttham dharmm-āsi-sambudbhayā<sup>3</sup> śrāddha . . .
- 4 Śākhāte chatuḥ-satya . . . tukō-yam . . . i . . . -m-āpi . . . kāpi[ñ]cha ma . . . salilāḥ sarvv-ādhiḡamyah sadā
- 5 satvānā[m] priya-darśanō jala-nidhir=ddharmm-āmalaḥ . . . gataḥ . . . py
- 6 kū[paḥ] Śrīdharavarmmaṇā guṇavatā khānāpitō=yam śubhaḥ 200, 1 . . .  
s . . . stu

## TRANSLATION.

1. Perfection! Of the Lord, who is the commander of the heavenly hosts, whose army has never been vanquished, the Lord Mahāsēna, the valiant, Jivadāma whose prowess is like that of the sun . . .

2. By the mahā-daṇḍanāyaka Śrīdharavarman the Śaka, son of Nanda the Śaka, the conqueror through dharmma<sup>4</sup> . . . the goddess of fortune (?) . . . of the Varmmas<sup>6</sup> . . . in the thirteenth year of his kingdom-increasing and victorious reign,

<sup>1</sup> Incised on the left margin of the record on the level between ll. 3-4.



<sup>2</sup> [It looks rather as if the reading in the estampage were *varshaka-sahasrāya*.—F. W. T.]

<sup>3</sup> Or *satvānā*. <sup>4</sup> Cf. *Dharmavijayō* in the sense used in the Aśoka inscriptions; Ed. XIII.

<sup>6</sup> [But see note 2, above.—F. W. T.]

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- 42 tañ **Kūṇḍi-mahī-vaḷay-ātiśay-ādhi(dh)śvaram** virodhi-mahībhṛid-vrāta-kuḷa-vajra-  
pātām bhūtaḷadoḷe **Katta-bhā[pa]-**
- 43 n=Aṅga-**rūpañ** || [22\*] Svasti **Sa(śa)ḥa-varsha** 902neya **Vikrama-samva-**  
**tsarad=Āshāḍa(dha)d=am[ā\*]vāsyey=Ādivāra**
- 44 sūryya-grahana-nimittadoḷ manneyarūñ **Sōla** mūvadimbarggañ **Dhanagara**  
**Kamchiyabbo** sthāna-bhū-
- 45 miyañ koṭṭu **Suvarṇpākshi-dēva-tīrtthadal=tapañ-geyya** tapōdhanar=āhāra-  
dhā(dā)nakke **Tribhuvanasiṅgi-pa[mḍi]-**
- 46 **tara** kālañ karchchi biṭṭa kamma 500 || **Ka** || Avar=olage **Chāindradharan=**  
**aṅga-vibhōgakk-eyde** nūru kamma \* \* \*
- 47 lam=udbhavam=āgi naḍevud=ā-chāindr-ā-vārddhi-tārā-gaṇaṇ divaṇ nilpinegaṇ ||  
[23\*] **Parama-muniśar=pannir** \* \* \* [mu]-
- 48 ktige salva phaḷam=ad=ay nīr-kkammañ nirutam=eno sarvva-bādhā-purīhāram=ad=  
oindu mane-nivēśana-sahitaṇ || [24\*]
- 49 Nāvidargge(rge) teṅkal=Ākar-ggāvundara baḷake mūḍa **Tēgūra** polakk=āvagade  
baḍaga Pālvaḷa bhūv[
- 50 paśchimadoḷ=irdda śa(sa)trada vri(vṛi)tti || [25\*] **Uttama-purushar=Śsōl-**  
**mūvattarkk=adhipar=vviśham=enisuva** [—]-
- 51 l=nālvatt-aṅu gēṇoḷ=alēd-āyattam=enal=mūḍi koṭṭud-aṅu-nīr-kkammañ || [26\*]  
Nāvidar=Asagara ma-
- 52 dhyada bhūmiye<sup>1</sup> tān-āgo naḍeva biḍige baḍagal=dēvaṅg=ōrige teṅkal dēva-  
tapōdhanara śa(sa)-
- 53 tra-sā(śā)leya gōha || [27\*] **Ā** manoge panneradu kayyi nīlamum=enīṭ=  
agalamum-akkum || **Vri** || [— ∪]-
- 54 lamō guṇa-prakaradoḷ=Soval=ādiya mūvadimbar=ā pāvana-mūrttigaḷ=subhaṭar=  
uttama-dāniga[ī=ā]-
- 55 śritarggo kaḷp-āvanījar=ss[u\*]dāna-nidhi **Kamchale-kānteya** biṭṭa dharmmamam  
kāvadu tamma vṛittiya [∪ — ∪]
- 56 vol=ā dhare nōsar=ullimam || [28\*] **Sthān-āchāryyarum=ūruñ** bhūnāthar=kkidīso  
kāvar=ūr=kkidīsalk=ā [sthān-ā]-
- 57 chāryyam kāvañ sthān-ōsūñ kiḍise mūvadimbar=kkāvaru || [29\*] **Vri** ||  
**Bhūtaḷa-pūtam=appa** muni-n[āthara] mu-
- 58 ktige salva dharmmamam ghātisidamgo durggati-padañ pratipāḷisidomgo puṇya-  
bandh-ātiśay-āspadañ
- 59 sukha-padañ śubha-vṛiddhi-jay-āspadañ mahā-khyāti-padaṅgaḷ=omb=iv=ivu tappavu  
**Dēvaṇa-paṇḍit-[ā]-**
- 60 **grāṇi** || [30\*] **Sāsira** pasavam dvijar=irchchāsiramam koṭi munigaḷam  
korinda mahā-dōshaṇ<sup>2</sup> porddugum [ ∪]
- 61 va sū(śā)sana-dharmmamane kiḍipa mā-pātakanam || [31\*] **Mōḷisi** nāy=adagaṇ  
**Chāindāḷo** kapāḷadoḷo kaḷlan=erēd=adu-
- 62 tañ tā(ta)t-kāḷade kerppim muchcho samāḷōkadoḷ=Imḍran=ākeyam besa-gonḍam ||  
[32\*] **Dēva-svañ** brahma-svaman=ūvu \* \* \*
- 63 nda pātakana pūda-rajañ bhāvisal=abhōjyam=enal=ā dēva-svaman=aḷivanim  
nikri(kṛi)shṭarum=olārō || [33\*] **Na** visham [visha]-
- 64 m=ity=āhuḷ(r)=dēva-svañ visham=uohyatō [i\*] visham=ōkākinam hanti dēva-svañ  
putra-pautri(tra)kañ || [34\*] **Sva-datt[ā\*]m** pa-

<sup>1</sup> The syllable *mi* is here used for rhyme (*prāsa*) with *vi*, *va*; this is strictly incorrect, but it shows the popular tendency to change *m* to *v* between vowels.

<sup>2</sup> A false *prāsa*, *śā* with *s*.



- 65 ra-datt[ā\*]in vā yō harēti(ta) vasundharā[in\*] [l\*] shashtir-vvarsha-sahaśrā(srā)ṇi  
vishṭā(shṭhā)yām jāyatē krimi<sup>1</sup> || [35\*]  
66 Bhuvanām vamanidhi sura-giri diva-kuḷam=ina-chāndrar=uḷḷinām dharmmam=  
idududbhavam<sup>2</sup>=āgi naḍego  
67 sāsana-kavi-Kamalāditya-rachita-kāvya-ādēsha(śa)in || [36\*] I(i) dharmmaman=  
āruin sthān-āchāryya-  
68 nuin kūḍi sva-dharmmadin naḍeyisuva satrakko brāhmaṇiy=aḍuvaḷ || Maṅgaḷa  
mahā-śri ||

## TRANSLATION.

(Verse 1.) Homage to Śambhu beauteous with the yak-tail fan that is the moon kissing his lofty head, the foundation-column for the beginning of the city of the triple world.

(Lines 2-3.) Being in the sanctuary of the blessed god Suvarṇākshi . . . . .

(Verse 2.) May the god Suvarṇākshi, lord of the three worlds, whose wondrous pair of blest lotus-feet is ceaselessly touched by the edges of jewelled diadems of demons, mortals, and celestials, grant us welfare !

(Verse 3.) In this region of the land there is a forest of *sal-trees*<sup>3</sup> resplendent with masses of lotuses, with flowering lakes of water-lilies, with budding mangoes, with blossom-bearing kinds of trees named *kosagu*,<sup>4</sup> trumpet-flower,<sup>5</sup> *nēril*,<sup>6</sup> *asoka*,<sup>7</sup> and plantain, with an embellishment (consisting) of cuckoos crying in sweet strains *pugal*.<sup>8</sup>

(Verse 4.) The sanctuary there bright with cascades of water, shall procure without delay salvation for votaries worshipping the brilliant lotuses of the feet of the god Śaṅkara-Svayambhu-Suvarṇamahākshi, who bears all distinction in this world : thus has one who is a shatterer of the conceit of kings of poets praised it.

(Verse 5.) Tigers listen to the preaching of religion without the stirring of a leaf<sup>9</sup>; rose-ringed parakeets, knowing the chants recited by the stainless holy men because of their constant utterance,<sup>10</sup> sing them by night and by day.

(Verse 6.) A flock of apes fetches with due honour water of aspersions (p) for those who are bathing the god : hence I know not how to praise (*worthily*) the severity of their mortification of the flesh.

(Verse 7.) All the day the cuckoos cry in the woods : "sinner, enter not, *pugal*<sup>11</sup>; man of fierce wrath, enter not, *pugal*; thou who breakest all duties, enter not, *pugal*."

(Verse 8.) At the four sides of the mount there is a clamour, shaking the hills, of chattering rose-ringed parakeets, of shrilling singing-swans, of murmuring female bees, of madding parrots.<sup>12</sup>

(Verse 9.) Look, all the sapful herbs, like a wand giving magical powers on touching the body, bestow the state of a King of Gods; heavenly nymphs feed this family of holy men.

(Verse 10.) The chief man at the sanctuary within the adepts' domain which is thus described, a celestial tree to dependents, is the great saint Tribhuvanasiṃha, a lion to those elephants the families of foes of the tribes of ascetics.

<sup>1</sup> Read *krimik*.

<sup>2</sup> The *Shorea robusta*.

<sup>3</sup> The *Bignonia suaveolens*.

<sup>4</sup> The *Jonesia asoka*.

<sup>5</sup> *Ete* is here used as an interjection and not in the sense of 'leaf.'—H. K. S.

<sup>6</sup> See above, p. 3, note 5.

<sup>7</sup> On the negative imperative *pugal* see Kittel's Grammar, § 207. 3 (p. 156) and Dictionary, s.v. *al*. There is also a play on the other meaning of *pugal*, i.e. the cuckoo's note.

<sup>8</sup> [Kōṇḍamgaḷan=agisuva is not properly interpreted. It has to be written *kōṇḍamgaḷa nagiṃva* and translated ' (the noise) of black monkeys that excite laughter.'—H. K. S.]

<sup>2</sup> Read *id-udbhavam*.

<sup>4</sup> The *Pterospermum acerifolium*.

<sup>5</sup> The *Eugenia jambolana* or *Calyptanthus caryophyllata*.

<sup>6</sup> One of the notes of the cuckoo's song.

3. On the tenth day of the dark half of Śrāvāṇa; on this date for the increase of his welfare and prosperity, for the eternal obtainment (i.e. enjoyment) of heaven, this, for obtaining *dharma* and fame, for the increase of the sword (in the form) of *dharma* . . . .

4. . . . ., of which the . . . ., water which is accessible to all, at all times,

5. Sweet to the sight of all created beings, a reservoir of water . . . . pure . . . .

6. (This) auspicious well was caused to be excavated by the virtuous Śrīdhara-varman.  
(The year) 201 . . . .

#### NO. 17.—THREE KSHATRAPA INSCRIPTIONS.

By RAKHALDAS BANERJI AND VISHNU S. SURTHANKAR.

These three Kshatrapa inscriptions, which are now exhibited in the Watson Museum of Antiquities at Rājkoṭ, have been published before, at different times and different places, but are here re-edited in order to have them properly illustrated and render them easily accessible. A comparison of the originals with the facsimiles of the same inscriptions published in the Bhavnagar *Collection of Prakrit and Sanskrit Inscriptions* made us feel the special need of placing before scholars reliable facsimiles obtained by purely mechanical means. These, it is hoped, will enable even these scholars who are not in a position to examine the stones personally to reconsider the previous readings, which, in our opinion, are in many respects defective. Our transcripts, which were in the first instance prepared from ink-impressions and squeezes, were subsequently compared with the originals.

##### I.—Gundā Inscription of the time of the Kshatrapa Rudrasimha : the year 103.

The inscription was first edited, with a translation, in 1881, by Georg Bühler in *Ind. Ant.*, Vol. X, pp. 157 f., from an eye-copy and a transcript prepared by Pandit Vallabha-chārya Haridatta of Kāthiāvād and submitted to Bühler by Major Watson for publication. Nine years later Bühler published some corrections in *Sitzungsber. Wien. Akad. Wiss., Phil. Hist. Kl.*, Vol. CXXII, No. XI, p. 46, note 2, which publication was unfortunately not accessible to the writers of this article. The posthumous papers of Bhagvanlal Indraji edited by Rapson in the *Jour. Roy. As. Soc.* (1890) contain a short note (pp. 650 f.) on this inscription. In 1895 the text and a translation of this epigraph were republished in the *Collection of Prakrit and Sanskrit Inscriptions*, Bhavnagar, pp. 21 f., No. 3 and Plate XVII. In 1896 appeared in the *Bombay Gazetteer*, Vol. I, Part I, p. 42, some corrections proposed by Bhagvanlal Indraji himself in his earlier readings and interpretation; Rapson, in *Jour. Roy. As. Soc.*, 1899, p. 375, also published some fresh corrections. The *Catalogue of the Coins of the Andhra Dynasty, etc.* (1908), of Rapson includes (p. lxi) a short note on this record, which gives reference to the literature on the subject and briefly summarizes the contents of the inscription. In 1912 Prof. Lüders in his *List of Brāhmī Inscriptions* (Appendix to *Epigraphia Indica*, Vol. X, No. 963) gave a complete bibliography of the inscription, a reading of the date (it cannot be said whether from the published facsimile or directly from an impression of the stone), and a summary of its contents. And finally, in 1915, Prof. D. R. Bhandarkar published some corrections of previous readings and interpretations in *Prog. Rep. Arch. Surv. of India, W. Circle*, 1914-15, p. 67.

The inscription was discovered in 1880 by Major Watson in an old unused well at Gundā in the Hālār District of North Kāthiāvād. It was subsequently removed to the temple of Dvāra-kānātha at Jāmnagar, where, apparently, it was kept until its transference to the Watson Museum of Antiquities at Rājkoṭ.



(Verse 11.) There was a goodly consecration when the Dānavas **Māli** and **Sumāli**, who on seeing him became attached to Rāghava's foe, made it; thence arose the adored name of the god **Suvarṇamahākṣhi**. **Sumāli's** name came to be currently attached to the town. On this account how do they praise it within the bounds of the surrounding land of **Kūṇḍi**!

(Verse 12.) The two kings **Māli** and **Sumāli**, giving to the god the **Thirty of Sōlu** in noble freedom, came in the last period of the Trētā Age, a happy era of welfare.<sup>1</sup>

(Verse 13.) Is there not power in ascetics who observe austerities! bravo! Bearing the body without being subject to the inconvenience of physical pain, feeding on the branches of the wilderness, worshipping Umā's Lord, abiding in salvation while nominally on earth, like a bee at the lotus-feet of the god **Suvarṇākṣhi** is that ascetic the blessed **Gaṅgarāsi**.

(Verse 14.) The doctrine of his teaching having entered her ear, with the good thought that the noblest course is to give general largesse to devōtees, ascetics, and Brāhmanas,—

(Verse 15.) A bee to Hara's lotus-feet, free from the influences of deceit, faultless of body, most brilliant in form, stainless in fame, gracious, inspired by religious charity, devoted to gods and preceptors, purifying her good *gōtra*: in these terms the earth abundantly praises at all times **Kaṇchikabbe**.

(Verse 16.) She is (*the wife*) of the amiable **Kētimayya**, **Kari's** son, of **Mārājana-Belavādi**; an ocean of abounding virtues, a Mōra of godliness, who are there that do not praise this **Kaṇchikabbe**?

(Verse 17.) **Kaṇchiyabbe** of the **Dhanagas' gōtra**, who practises the virtue of beneficence, a gem of matrons, by the perfection of her eminent religious charities is verily one of the highest order of **Māhēśvaras** on earth.

(Verse 18.) A double door of Fortune, a column for the Sun's beams, where his rays are freely diffused, it shall indeed abide within the lady Earth for the length of the æon: therefore what a marvel it is!

(Verse 19.) Of **Kaṇchikabbe**, who is thus illustrious, the son is **Chatta**, a bee to Śiva's two lotus-feet, devoted to saintly men, a treasure to cultured and agreeable men, a grindstone to dire sin.

(Line 33.) The description of the benefactor.

(Verse 20.) An axe to that great mountain<sup>2</sup> the potent **Chōḷa**, a lion to those elephants the **Lāḷas**, having forsooth the form of a submarine fire to all the oceans (*consisting of*) ways of fastnesses in the waters, mountains, and forests, he who cut off the head of **Raṇakambha** and **Kakkala**, a malign meteor portending destruction to foemen's grim lands, an ornament of emperors, is the blest lord of monarchs **Taila**.

(Lines 36-39.) When the victorious reign of—hail!—the asylum of the whole world, favourite of Fortune and Earth, great Emperor, supreme Lord, supreme Master, ornament of **Satyāśraya's** race, embellishment of the **Chalukyas**, the Emperor strong of arm **Nūrmadi Tailapa-dēva**, was advancing in a course of successively increasing prosperity, (*to endure*) as long as moon, sun, and stars:—

(Line 39.) One who finds sustenance at his lotus-feet—

(Verse 21.) A son of prince **Kaṇṭheyabhārada Nannapayya**, a sword for arms skilled in defence of that lord of men the Emperor, destroying devices of foes, ornament of the **Raṭṭa** race, crushing the pride of other monarchs, a lord pure of fame, a treasure of discretion, is the elder son named king **Katta**.

<sup>1</sup> Came in . . . a happy era of welfare' is not intelligible. 'Went to the world of bliss or died' would be the literal translation of the phrase *sugati-sukhālayam pokkar*.—H. K. S.]

<sup>2</sup> A play on words: *maṭṭhara* means both "mountain" and "king."

The epigraph contains five lines of well-engraved writing, covering a space of about 2 ft. 2 in. in width by about 9½ in. in height. The writing is, on the whole, in an excellent state of preservation; some isolated syllables here and there are, however, seriously damaged. The average size of such letters as *n*, *m*, *p*, and *b* is about ⅜".

The **characters** present an earlier form of the southern variety of the Gupta alphabet than that seen in the well-known inscription of Skandagupta at Junāgaḍh. It differs in a few minor particulars from the Junāgaḍh edict of the Mahā-Kshatrapa Rudradāman; to wit, in the form of *y* (subscript as well as uncombined), and in the marking of the medial vowel in *sī* (l. 3), *mi* and *tī* (l. 5). Subscript consonants, excluding *y*, are expressed by the ordinary full forms of the letters. No final consonants occur. Of initial vowels the record has only *ā* (l. 4). Medial *ā* has in various instances been left unmarked, evidently through the carelessness of the scribe; when engraved—it is (like *ē* and *ō*) denoted by a short horizontal line appended, generally, to the top of the consonant sign; as an exception we may mention *j(ā)ḍ*, in which the sign of *ḍ* (which is made up of the signs of *ā* and *ḍ*) is drawn in continuation of the middle bar of the letter. Noteworthy is the form of the medial long *ī*, in the only certain and clear instance of that sign in this inscription, in *śīhasya* (l. 3). In inscriptions of the same period and locality the long *ī* is generally represented by a crescent-shaped arc, with unequal arms and open at the top. In this instance, however, the free end of the shorter arm is attached to, or rather drawn in continuation of, one of the upright verticals of the *mātrikā*, a peculiarity which gives this letter a somewhat uncommon appearance. This mode of drawing *ī* is probably the origin of the spiral sign of that vowel in the southern alphabets of a later epoch. The medial *u* is marked either by a subscript curved line open to the right, as in *śu* of *-śuddhē* (l. 3), or by one open to the left, as in *pu* of *-putrasya* (l. 2), or lastly by a short horizontal stroke attached to the lower end of a long vertical as in *ru* of *Rudra* (l. 2). Line 3 includes the numerical symbols for 100 and 3. No sign of punctuation occurs; the letters are engraved in a continuous succession without a break.

The **language** of the inscription is a mixed dialect, and the whole is in prose. The Prakritisms are *tri-y-uttara*- (l. 3), and *baṃddhāpita* (l. 5), and besides, perhaps, such irregularities of spelling as cannot be put down to the negligence of the scribe; the rest is in Sanskrit. In passing it may be observed that the Sandhi constant *y* which we find here inserted between *tri* and *uttara* serves very often the same purpose in Prakrit, as may be seen by reference to Pischel's *Grammatik der Prakrit-Sprachen*, § 353. [The construction of the genitives is in some cases in all these inscriptions irregular, e.g. *maha-kshatra[paś]ya*, l. I of Inscription No. I.—Ed.]—As regards **orthography**, we may notice the sporadic doubling of the consonant after *r* in *-muhūrttē* (l. 4), *sarva*- (l. 5); in *sukhārtham*- (l. 5) the consonant is not doubled. There is, moreover, no instance of the phonetic doubling in a ligature when *r* forms the second member of the conjunct. The word *baṃddhāpita* seems to offer an instance of the doubling of the consonant following upon an *anuvāra*; but the reading of the ligature is not quite certain, and perhaps we have to read the word as *baṃddhāpita*, in which case this would be an illustration of the addition of a superfluous *anuvāra* before a nasal, of which there are instances to be met with in inscriptions of all periods.

The inscription refers itself to the reign of the king (and) Kshatrapa Lord Rudrasīha (**Rudrasīmha**), and gives the following pedigree of the king:—king and Mahā-Kshatrapa Lord Chāshtana; his son king and Kshatrapa Lord Jayadāman; his son king and Mahā-Kshatrapa Lord Rudradāman; his son king and Kshatrapa Lord Rudrasīha (**Rudrasīmha**). This is a genealogical list and not a dynastic one; that is why the names of several princes who had ruled between Chāshtana and Rudrasīmha, but who were not in the direct line of descent, have been left out. The record is dated on the fifth tithi of the bright fortnight of Vaiśākha, during the constellation of Rōhiṇī in the year one hundred and three, which number is

(Verse 22.) He is the exalted ruler of the circle of land of **Kūṇḍi**, a thunderbolt-stroke to the whole crowd of those mountains his adversaries, king **Katta**, wearing the form of the Love-god on earth.

(Lines 43-46.) Hail ! On **Sunday**, the new-moon day of **Āshāḍha** in the cyclic year **Vikrama**, the 902nd (year) of the **Śaka** era, on the occasion of an eclipse of the sun, **Dhanagara Kañchiyabbe**, giving to the seigniors and the **Thirty of Sōlu** land for an establishment, laved the feet of **Tribhuvanasiṅgi Paṇḍita** and granted 500 *kamma* for the supply of food to the ascetics observing austerities in the sanctuary of the god **Suvarṇākshi**.

(Verse 23.) Out of this, one hundred *kammā* . . . shall be effectively applied in due manner for the personal enjoyment of the Moon-bearer [**Śiva**] for as long as the moon, ocean, stars, and heavens endure.

(Verse 24.) Verily a fruit leading to the salvation of . . . most excellent holy men are these five-hundred *kamma* : hence they, together with one dwelling-house, are immune from all conflicting claims.

(Verse 25.) The estate of the almshouse situate to the south of the (*Quarter of the*) Barbers, east of the special estate of **Ākar Gāvunḍar**, north of the field of **Tōgūr** . . . on the west of . . . (*is as follows*).

(Verse 26.) Those excellent men the chiefs of the **Thirty of Sōl**, having measured out by the span forty-six . . . as a special (*estate*) and caused it to be prepared, shall give six-hundred *kamma*.

(Verse 27.) To the north of the road by which one walks within the land<sup>1</sup> between the (*Quarters of the*) Barbers and the Washermen, to the south of the god's tank, is the building of the almshouse for the ascetics of the god.

(Line 53.) Of this house the length is to be twelve cubits and the width eight.

(Verse 28.) . . . in the multitude of their virtues the leading **Thirty of Soval**, they who are pure of body, valiant, supremely generous, trees of desire to dependents, shall preserve the pious foundation granted by the lady **Kañchale**, that treasure of bounty, as if it were . . . of their own estate, so long as this earth and sun exist.

(Verse 29.) The priors of the establishment and the town jointly shall protect (*the foundation*), if princes do harm ; if the town harm it, the prior of the establishment shall protect it ; if the head of the establishment do harm, the Thirty shall protect it.

(Verse 30.) For him who injures the pious foundation serving for the salvation of . . . holy men which purifies the earth<sup>2</sup> (*there shall be*) a state of misery ; for him who preserves it, a most exalted condition caused by the effect of his merit, a state of happiness, a condition of felicity, increase, and success, states of great reputation : these, these are inevitable, O thou eminent scholar **Dēvaṇa**.

(Verse 31.) The great guilt of slaying a thousand kine, two thousand Brāhmins, (*and*) a crore of holy men will accrue to the deadly sinner who injures a . . . pious foundation (*established*) by edict.

(Verse 32.) On seeing how the **Chāṇḍāla** woman, having mixed dog's flesh in a human skull and poured (*over it*) toddy, was covering it with a leather shoe at the time while cooking it, **Indra** questioned her (*as to the reason for covering it*).<sup>3</sup>

<sup>1</sup> *Rhūmiye* seems to be an instrumental (see above, Vol. XIV, p. 277, note 9). In the *siddhi* sense of "distance within which" : see Kittel, *Gram.*, § 347. 5 (p. 383).

<sup>2</sup> Apparently an inverted *baku-criki* ; see Pāṇini II. ii. 37.

<sup>3</sup> On this legend see *Ep. Carn.*, Vol. 1, introd., p. 31, and ib. TN. 63.

are made quite differently, are out of the question; cf. *dā* in *-Jayadāma-* in l. 1, and *-Rudradāma-* in l. 2. The estampage will also show that the reading *hra* for the first doubtful syllable is utterly impossible. The *anusāra* in *ban°* is well marked; but it is impossible to say with certainty whether we have to read °*indhā°* or °*inddhā°*; the latter seems to us more probable.

### TRANSLATION.

Hail ! On the [auspicious<sup>1</sup>] fifth tithi of the bright fortnight of Vaisākha during the auspicious period of the constellation of Rōhini, in the year one hundred and three<sup>2</sup>—100 3— (during the reign) of the king, the Kshatrapa Lord Rudrasihā (Rudrasimha), the son of the king, the Mahā-Kshatrapa Lord Rudradāman (and) son's son of the king, the Kshatrapa Lord Jayadāman, (and) grandson's son of the king, the Mahā-Kshatrapa Lord Chāshṭana, the well was caused to be dug and embanked by the general (*sēnāpati*) Rudrabhūti, the son of the general (*sēnāpati*) Bāpaka,<sup>3</sup> the Ābhīra,<sup>4</sup> at the village (*grāma*) of Rasōpadra, for the welfare and comfort of all living beings.

### II.—Gaḍhā (Jasdan) Inscription of the time of the Mahā-Kshatrapa Rudrasēna: the year 127 (or 126).

The inscription was first edited, with a translation and lithograph, prepared probably from an eye-copy, in 1868, by Dr. Bhau Daji in *Jour. Bo. Br. Roy. As. Soc.*, Vol. VIII, pp. 234 f., and Plate. After that it remained unnoticed till 1883, when Hoernle published a revised transcript and translation of it in *Ind. Ant.*, Vol. XII, pp. 32 f. The posthumous papers of Bhagvanlal Indraji, edited by Ripson in *Jour. Roy. As. Soc.*, 1890, p. 652, contain a short note on it. In 1885 the text and a translation, based upon the *editio princeps* of Dr. Bhau Daji, were republished in the *Collection of Prakrit and Sanskrit Inscriptions*, Bhavnagar, pp. 22 f., No. 4, and Plate XVIII. The *Bombay Gazetteer*, Vol. I, Part I, p. 43, contains a very short note on it, originating from the pen of Bhagvanlal Indraji. Ripson's *Catalogue of the Coins of the Andhra Dynasty, etc.* (p. lxii, No. 42), includes a short summary of its contents, and a reference to the literature of the subject. Prof. Lüders in his *List of Brahmi Inscriptions* (Appendix to *Epigraphia Indica*, Vol. X), No. 967, gives a complete bibliography of the inscription, a reading of the date (it cannot be said whether from the published facsimiles or directly from an impression of the stone), and a summary of its contents. Prof. D. R. Bhandarkar refers to the inscription in *Prog. Rep. Arch. Surv. of India, W. Circle*, 1914-15, pp. 67-68, and suggests certain corrections.

The inscription is said to have been found at Gaḍhā, about two miles north of Jasdan Kāthiāvād, engraved on a thick irregular slab standing upright on the margin of a lake. Subsequently the inscribed stone was transferred to the Watson Museum of Antiquities, Rajkot, where it is now exhibited.

<sup>1</sup> The rendering 'auspicious' presupposes that we have to correct *dhattya* to *dhanya*; see the remarks on the transcript above.

<sup>2</sup> The form *tri-y-uttara* is a Prakritism; the *y* is a *sandhi* consonant inserted in order to avoid the hiatus; cf. Pkt. *duyāhēna* (*dryahēna*), *tiyāhēna* (*tryahēna*) and others in Pischel's *Prakrit Grammatik*, § 353.

<sup>3</sup> Bāpaka is a variant of Bappa(ka), which name occurs in a number of later inscriptions.

<sup>4</sup> It is worth noting that the Ābhīras were employed as generals under the régime of the Kshatrapa dynasty. Among the inscriptions in the Pāṇḍu Lēnā at Nāsik we have an inscription referring itself to the reign of the Ābhīra king Īśvara-sēna, which shows that some of these generals had eventually succeeded in replacing the sword of the commander by the sceptre of the sovereign.

(Verse 33.) (*She answered that her food was*) unfit to eat, if touched by dust from the feet of the sinner who should have appropriated the estates of gods and Brāhmanas : hence are any more degraded than he who infringes a god's estate ?

(Verses 34-35 : two common Sanskrit formulæ.)

(Verse 36.) So long as the earth, the ocean, the celestial mountain, the abode of the sky, the sun and moon exist, may this pious foundation, whereof the versified regulations have been composed by **Kamalāditya**, poet of edicts, continue in effect.

(Lines 67-68.) For the alms-house, in which jointly the town and the prior of the establishment shall religiously maintain in operation this pious foundation, a Brāhman woman shall be the cook. Happiness ! great fortune !

## No. 2.—MAHOBĀ PLATES OF PARAMARDI-DEVA : (VIKRAMA-)SAMVAT 1230.

By RAI BAHADUR HIRALAL, B.A., JUBBULPORE.

These copper-plates were found in the well-known Mahobā town of the Hamirpur District in the United Provinces of Agra and Oudh, while digging for earth to build a house. They were deposited in a stone chest about 30' below the surface. The two plates were strung together with a ring having a seal, which the finder took for a lock and broke. From the figure of Gaja-Lakshmi (Goddess of Wealth) in the middle of the first four top lines it was inferred that the record dealt with some hidden treasure, for which a search was strenuously made, of course to no effect. A few Sanskritists were then taken into confidence to find out the contents of the record, with a view to locating the exact spot of the treasure trove ; but, as none could decipher it, it was decided, with great reluctance, hesitation and misgivings, to seek the aid of an epigraphist, and the choice fell on me. The record was therefore sent to me in charge of a Pandit confidant, who on my telling the contents declared that he had at the time of starting made astrological calculations and had already come to the conclusion that his efforts were to end in disappointment. These plates have thus had a very narrow escape from a perpetuation of the internment which they have undergone for the past three years after their actual discovery.

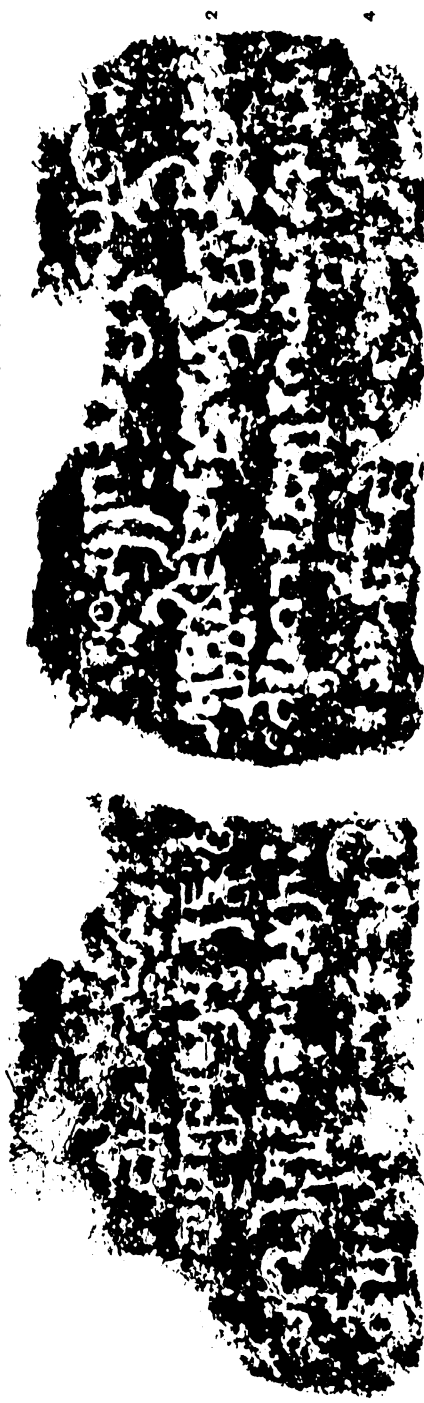
The plates measure 13" × 10" and weigh 272 *tolas*, or a little less than 7 lbs. The rims are bordered with separate copper strips about a quarter of an inch in breadth, secured with nails. Only one strip of the second plate has disappeared. Having been deposited underground for centuries, the plates were naturally covered with green verdigris ; but on cleaning them the record was found in a good state of preservation. The language of the text is Sanskrit. Altogether 33 lines are engraved with letters belonging to the northern class of Nāgarī alphabets, their average size being half an inch. The record is clearly written ; but the engraving is not altogether faultless, as some strokes or limbs of letters have been omitted ; for instance, in line 16 कृष् is engraved as कृष, where *sh* is turned into *p* by the omission of the inside stroke which distinguishes the two letters. Similarly in line 26 we find विद्वन् for विद्वन्, the distinguishing hind stroke of *ha* being left out. There are several such slips. The last portion of line 30 was so carelessly written that it had to be re-engraved. There is very little difference in the formation of *va*, *dha*, *ra* and *cha*, so that one can be mistaken for the other. *Ba* is not at all distinguished from *va*. There are also some spelling mistakes, which will be found corrected in foot-notes. The writing is, however, bold and well executed by one Pālhaṇa, who carved the Somrā plates<sup>1</sup> some seven years previous to this record.

<sup>1</sup> *Ep. Ind.*, Vol. IV, pp. 153 *et seq.*

Gunda Inscription of the time of the Kshatrapa Rudrasimha: the year 103.



Junagadh Inscription of the time of the grandson of the Kshatrapa Jayadaman.



He then called himself a *pīṭalahāra*, or brass-worker, corresponding to the present-day *tamerā* (*tāmrāhāra*). Five years later he called himself *śilpīn* (artist), and two years' further experience of this sort of work developed him into a *viññānin* (skilful artist), a title which he has prefixed to his name in our record, though a comparison with the Semrā plates does not indicate any marked improvement either in the formation of letters or in accuracy of spelling. The composer of the record was one Prithvidhara, a Vastavya Kāyastha, the same<sup>1</sup> who wrote the Semrā and Ichchhawār plates, with which the phraseology of our record in formal portions exactly corresponds. The scribe appears to have belonged to the same family which furnished a Counsellor and Chamberlain to the king referred to in our record and of which a later representative governed the fort of Ajaigarh, while another became the Superintendent of king Bhojavarman's Treasury.<sup>2</sup>

Our *tāmrapaṭṭa*, as it is named at the end, records the grant of some land in Dhanaura village, included in the Ērachha District, to one Ratanaśarman Brāhman, son of Vihlō *Drivēdin*, grandson of Chhīngala and great-grandson of Yaśaḥ of the Śāṅkṛitya *gōtra*, who had come from what reads as Phauḍiva-Bhaṭṭa-āgrahāra, by the Chandrātrēya or Chandella king Paramardī-dēva, Lord of Kālāñjar. The grant was made on Tuesday the 4th day of the dark fortnight of Māgha in the Vikrama-Samvat 1230, which regularly corresponds to Tuesday the 25th December 1173 A.D.,<sup>3</sup> when the donor was encamped at a village named Gabilū. The day was a holy one, the sun having entered the zodiacal sign Makara on that date. The king, having bathed with water brought from holy places, worshipped the Sun and the lord of Bhavāni (*i.e.* Śiva) and duly made the gift.

The record gives no information concerning the Chandella dynasty which is not already known. It mentions four ancestors of the donor, *viz.* :—Madanavarma-dēva, Prithvivarma-dēva, and the two heroes Jayaśakti and Vijayaśakti, who are regarded as the real founders of the Chandella dynasty and who gave their names to the Chandella kingdom, as Jējāka-bhukti, latterly corrupted into Jajhauti. The first king of this dynasty is said to have been Nannuka, grandfather of Jaya and Vijaya. To him is ascribed a date about 830 A.D., and from numerous epigraphs it is clear that his descendants continued to rule with extended kingdom down to 1288 A.D., when Bhojavarman, the 21st king in the line, was on the throne. The successor of Bhojavarman is not known; but from a Satī record<sup>4</sup> which I found in a village named Bamhni of the Damoh District it appears that the last king of this dynasty was Hammiravarma-dēva, who apparently held sway until 1309 A.D. The Bamhni record is dated in Samvat 1365,

<sup>1</sup> See his Ichchhawār plates, *Indian Antiquary*, Vol. XXV, p. 208.

<sup>2</sup> *Ep. Ind.*, Vol. I, pp. 331 *et seq.*

<sup>3</sup> Dewan Bahadur Swamikannu Pillay, M.A., LL.B., I.S.O., has since kindly verified the date and found it correct.

<sup>4</sup> This record was found just three weeks after the Mahobā plates were brought to me; it reads as follows :—

परममंदारकेषाधिराजबलीचयीपेत कालो-  
न्यराधिपति श्रीमद हंसीरबमंदेवः विजयराज्ये  
संवत् १२६५ समये महाराजपुत्र श्री बा-  
चदेव सुज्यमाने अस्मिन् काले वर्त-  
माने(ः) ब्रह्मणोयामे भूमिपुत्र  
पावकृष्ण भाग्या मल्ले संतम ह्युसीधि  
पुत्र कामे पटुमनकचाः पं जेपाल लिखितोक्ति

The writer Pandit Jayapāl, who composed the record, was apparently a village Pandit with a smattering of Sanskrit, so that he could neither compose nor spell correctly; but he has succeeded in expressing what he intended to record.

Gadha (Jasdan) Inscription of the time of the Maha-Kshatrapa Rudrasena : the year 127 (126).





or A.D. 1308. At that time portions of the Damoh and Jubbulpore Districts were governed by a *Mahārāja-putra* Vāghadēva with head-quarters at Singorgarh in the Damoh District. He appears to have been a Parihār<sup>1</sup> Chief who had accepted the supremacy of Chandella kings. In a village named Salaiyā, 3 miles from Bamhni, there are two Sati records,<sup>2</sup> one dated in A.D. 1304 and the other in A.D. 1309, the former erected during the reign of Vāghadēva and the latter in that of Alā-ud-dīn, indicating that the Parihār Chandella rule had come to an end in A.D. 1310, through the Muhammadan invasion. We know from other sources that it was about this time that Alā-ud-dīn sent to the Deccan his army, which established a footing in Bundelkhand, ousting the previous dynasties.

With regard to the geographical names, Ērachha is the well-known Erich on the Betwa river, which gave its name to the surrounding district. It is about 60 miles from Mahobā. The village Dhanaurā, from which grants were made, is represented by a village of the same name, with its final vowel lengthened. The present village Dhanaurā is 11 miles from Ērachha. Gahilū, where the king was encamped, is apparently Gahuli, about 10 miles north of Dhanaurā. I cannot trace the village from which the family of the donee had originally come. As the grant refers to pieces of land and not to the whole village, the boundaries are described by local *nālās*, pounds and fields, which it is now fruitless to trace.

<sup>1</sup> A Sati record in Pūtan (District Jubbulpore) reads as follows :—

संवत् १३६१ समये प्रतिहार रा श्री वाघदेव भू-  
जमाने तत्काल कायस्थ पं. चत्वार (P)(धा) वृक्ष यथा न-  
मंदा तीर्थे प्रसति तीद्रिम (P)यामे समाकने  
जगद्वय उन्नतं माघ वदि १२ सुक्र

Mark the word प्रतिहार in the first line and compare the tradition that Parihār kings ruled in Singorgarh, as recorded by General Cunningham in his Archeological Report, Vol. IX, p. 49. Also see Hiram's *Damoh Dipaka* (Damoh District Gazetteer in Hindi), pp. 108 and 109. It may be noted here that Pūtan, where the present record exists, is only 20 miles from Singorgarh. The date of the record regularly corresponds to Friday, the 15th February, 1303 A.D., as calculated by Dewan Bahadur S. K. Pillay.

<sup>2</sup> One of them is lying on a hillock and reads as follows :—

संवत् १३६२ समये चैत्र  
सुदि २ सीमे महाराज-  
पुत्र श्री वाघदेव भुज्यमा-  
ने बलियाखे गामे(:) पटगी-  
लक्ष्य सुत मामे काल भव-  
ति मार्ज तालहा महासती  
भर्ति(:) सुत चौहलनानि-  
म कौर्ति पालये: प० ऊपाक  
लिखितोक्ति: भडमामी  
श्री लउटनाम्हे गदीलि

The date of the record regularly corresponds to Monday, the 9th March, 1304 A.D.

The second one, lying in a field, reads as follows :—

संवत् १३६६ समये बलियदीन सुताना राज्य बलिखेट यामे

Both the stones are put on the borders of a deserted village, *arhiya kheda*, which is identical with *Baliakheta* of the above-quoted inscriptions.

That Vāgha-dēva's rule subsisted till Samvat 1366 is apparent from a Sati record of that year, found at Singorgarh itself. (See *Damoh Dipaka*, p. 109.)

The inscription contains six irregular lines of varying length and uncouth writing, covering a rhomboidal space of about 3 ft. 7 in. in width by about 1 ft. 10 in. in height. The engraving, which is shallow, is on the whole in a fair state of preservation. The average size of such letters as *n*, *m*, *p*, and *ṭ* is about  $1\frac{1}{2}$ ".

The characters of the inscription are of the same general type as those of other Kshatrapa inscriptions, and the above remarks on the palaeography of the Gundā inscription are, with a few exceptions, applicable to this one also. The letters of this epigraph lack, however, all regularity and finish; they have a decidedly cursive character. Observe, for instance, the form of the uncombined *m*, which is sometimes denoted by the older X-shaped form of the earlier inscriptions and sometimes by a more advanced form which is met with, regularly, only in the records of the Gupta dynasty. The letter *t* appears to have been drawn with prongs of unequal length, both curved, one of them being slightly longer than the other. In *tra* the subscript *r* is marked by drawing the free end of the right prong to a little distance to the left; thus this ligature and the uncombined *t* are indistinguishable from each other when either of them is badly drawn. Of initial vowels the inscription contains *i* (l. 5) and *u* (l. 6). Subscript consonants, excluding *r* and *y*, are expressed by the ordinary full signs of the letters, as in the Gundā inscription described above. No final consonants appear in this record. Sporadically one notices the flattening out of the *serif* of the letters into a thin horizontal top line, so that in some cases it becomes extremely difficult to say whether the top-stroke is only a *serif* or the sign of *ā*, *ē* or *ō*, which is marked by a slight prolongation of the *serif*. The length in *st* (l. 5) is denoted by a distinct spiral, which is a further development of the form which was met with in the Gundā inscription. To judge by the instance of *bhātrabhiḥ* (for *bhrātribhiḥ*) in line 6, no distinction was made in writing between the subscript *r* and the medial *ri*. The diphthong *au* is marked by the addition of an upward stroke, slanting to the right, to the sign of *ō*. On two occasions the engraver has omitted the syllable *tra* in writing *Kshatrapas(y)a*. Lastly it may be observed that the first line of the inscription contains four numerical symbols, 100, 20, 5 and another about the reading of which there is some doubt; it may be either 6 or 7.

The language of the inscription is a mixed dialect. In this specimen the Prakritisms are slightly more numerous than in the Gundā inscription. One may notice the frequent use of *sa* for the termination of the genitive singular in ll. 1 and 2 in addition to the verbal form *uttharita[m]* in l. 6. The sense of the record, as it stands, is incomplete, and, to judge by the two final syllables *sva[rga]* in l. 6, it should seem that a few syllables or words, in an additional line which is now lost, are missing. [Regarding the irregular genitives (e.g. *mahakshat[r]apasa*, l. 1) see remarks on Inscription No. I.—Ed.]—As regards orthography the only point worth drawing attention to is the sporadic doubling of the consonant before *r* in *papau-[t]trasya* in l. 2; but it should be added that the reading of the ligature is not absolutely certain. Of words not found in dictionaries the inscription contains one, viz. *śatra*, of which, moreover, the meaning is not known. Prof. Lüders hesitatingly identifies it with the Prakrit word *sata* in an inscription from the Kaphēri caves (Lüders' *List*, No. 985), for which he, also doubtfully, suggests the meaning 'seat.'

The inscription refers itself to the reign of the king (and) Mahā-Kshatrapa Lord Rudrasēna and records the erection of a *śatra* (meaning ?) by the brothers of Khara[r]-pattha, the son of Pratāśaka of the Mānasa gōtra. Previous editors of the inscription have read in l. 6 Pranāthaka instead of Pratāśaka and Khara-pautra instead of Khara[r]pattha. Our reasons for adopting the reading which we have will be found in the remarks on the transcript, below, p 238. The inscription gives the following pedigree: king and Mahā-Kshatrapa *bhadra-mukha* Lord Chāśṭana; his son, king (and) Kshatrapa Lord Jayadāman; his son, king and

TEXT.<sup>1</sup>

## First Plate.

- 1 श्री<sup>2</sup> स्वस्ति ॥ जयत्याज्ञादयन्विश्वं विश्वेश्वरशिरोधृतः । चन्द्राजेयनरेन्द्रा-
- 2 णां वंशश्चन्द्र इवोक्त्वलः ॥ तत्र प्रवर्तमाने विरोधिविजयभ्राजिष्णुजयश-
- 3 क्तिविजयशक्त्यादिवीराविर्भावभास्वरे परमभट्टारकमहाराजाधिरा-
- 4 जपरमेश्वरश्रीपृथ्वीवर्मदेवपादानुध्यातपरमभट्टारकमहाराजाधिरा-
- 5 जपरमेश्वरश्रीमदनवर्मदेवपादानुध्यातपरमभट्टारकमहाराजाधिराजपरमेश्वर-
- 6 परममाहेश्वरश्रीकालञ्जराधिपतिश्रीमत्परमर्दिदेवो टि(वि)जयी ॥ स
- 7 एष दुर्विषहतरप्रतापतापितसकलरिपुकुलः कुलवधूमिव वशु(सु)न्धरात्रिराकुलां  
परिपा-
- 8 लयन्नविकलविवेकनिर्मन्नीकृतमतिः । एरुविषयान्तःपातिधनौरग्रामोपगतान्ना<sup>3</sup>द्य-
- 9 णानन्यांश्चाधिकृतान्महत्तमा<sup>4</sup>दीन्सम्बो(म्बो)धरति समान्नापयति चास्तु वः समुदितं  
यथोपरिलि-
- 10 खितेस्मिन्ग्रामे साधजङ्घा<sup>5</sup> भूतभविष्यद्वर्तमाननिःशेषादायसहिता प्रतिषिद्धचाटादिप्र-
- 11 वेशा वाधगत्या मोरटे<sup>6</sup> पादोनद्रोण<sup>7</sup>चतुवृ(ष्ट)यधरिकलिता प्रस्थप्रत्येकवाध-<sup>7</sup>  
व्यवस्थया दैर्घ्यं
- 12 वाध १० विस्तरे वाध ६ जातवधि(वाध)षष्ट्यन्विता पूर्वस्यां दिशि  
नापितसत्कनाला दक्षिणस्यां दिशि
- 13 नाला पश्चिमायां दिशि भतहडपुष्करिणीभीटु । उत्तरस्यां दिशि  
ब्रा(ब्रा)ह्मणभूमि । तथा भीटोपुष्क-
- 14 रिणी । एतैरावाटैर्व्विसि(शि)ष्टा । तथा वासकते उभयदिपञ्चास(श)वस्तु-  
प्रमाणया भूम्या सह पञ्च-
- 15 हलावकिन्ना भूमिरस्माभिः गहिलूग्रामसमावामे त्रिंशदधिकशतहयोपे-

<sup>1</sup> From the original plates and impressions kindly taken by Rao Sahib Krishna Sastri, B.A.

<sup>2</sup> Expressed by a symbol.

<sup>3</sup> Read °ब्राह्म°.

<sup>4</sup> The present-day महर्तौ, the headman in lower castes.

<sup>5</sup> मोरटे is a kind of plant with sweet juice. Apparently it flourished in a special kind of soil, to which it has given its name, now corrupted into मोरंड.

<sup>6</sup> द्रोण is a measure containing 16 *prasthas*. द्रोणचतुष्टय would therefore be 64 *prasthas*, which, परद्रोण or less by a quarter of a द्राण or 4 *prasthas*, is equal to 60 *prasthas*. This correctly gives the calculation further on described as 'प्रस्थप्रत्येकवाधव्यवस्थया जातवाधषष्ट्यन्विता,' that is, 60 *vādhas* of land according to the rule of one *prastha* for every *vādha*. Here the first phrase indicates the seed capacity and the latter the area of the land granted.

<sup>7</sup> Apparently a *vādha* of land had a seed capacity of one *prastha* only.

Mahā-Kshatrapa *bhadra-mukha* Lord Rudradāman; his son, king and Mahā-Kshatrapa *bhadra-mukha* Lord Rudrasiha (Rudrasimha); his son, king and Mahā-Kshatrapa Lord Rudrasēna. This is the longest pedigree of the Kshatrapas of Surāshṭra and Mālava contained in a single record. It will be noticed that the title *bhadra-mukha*, 'of gracious appearance,' is added before the names of some of the Mahā-Kshatrapas, but not before the name of the only Kshatrapa mentioned in the record, or before that the last Mahā-Kshatrapa named here, viz. Rudrasēna, in whose reign the inscription was engraved. The reason for the omission in the last case is not apparent; it would seem, however, that the title was used with the names of Mahā-Kshatrapas only. The names of Dāmaysada I. and Jivadāman, who had reigned before Rudrasēna, but who were not in the direct line of descent, are not included in this list, which is purely genealogical.

The inscription is dated in the year 127 (or 126) on the fifth tithi of the dark half of the month of Bhādrapada. The era to which the date is to be referred is undoubtedly the Śaka era; accordingly the date of the record may be taken to correspond to 127 (or 126) + 78 = A.D. 205 (or 204).

The record contains no geographical name.

#### TEXT.<sup>1</sup>

- 1 [Va]rshō 100 20 [7] [Bhā]drapada-bahulasa 5 [\*] R[ā]jñō mahakshat[r]apasa
- 2 bhadra-mukhasa svam[a]-Chāshtana-putra-papau[t]trasya rājñō Ksha[tra\*]pasa
- 3 svāmi-Jayad[a]ma-putra-pantrasya rājñō maha-Kshatrapasya bhadra-mukhasya
- 4 [sva]ma-Rud[r]adama-pau[tra]sya rājñō ma[ha]-Ksha[tra\*]pasya bhadra-mukhasya  
svā[īn]i-
- 5 Rudrasiha[-putra\*]sya rājñō maha-Kshatrapasya svāmi-Rudrasēnasya [\*] idam  
śātram
- 6 Mānasa-sa-gōt[r]asya Pra[tā]śaka-putrasya Khara[r]patthasya bhātrabhih utthavita[m]  
sva[rga]
- 7 . . . . .

#### Remarks on the Transcript.<sup>2</sup>

L. 1 The reading 7 is uncertain; it may be 6. DRB reads 5. L. 2. D and H -*mukhasya* *svāmi*-. The slanting line below the *sa* of the first word is an abrasion and not the subscript *y*. L. 3. D and H *Jayadāma*. *bhadra-mukhasya* is continued in a slanting direction above the level of the same line. L. 4. No trace remains of the *i* in *svāmi*, if it was marked at all. L. 5. D and H *mahā*-. DRB *Śakri* (for *śātram*), which is very doubtful. L. 6. Hoernle's reading -*māna[m]tu Tuṅgōstras[y]a* is out of the question, and need not be discussed here. D *pranāthaka*- (the previous syllable is read by him as *Su*-), and H *Pratā[ra]thaka* (for *Pratīśaka*), both of which are inadmissible. The second syllable may, perhaps, be *nā*; but the third one cannot be *tha*, as *tha* does not contain the vertical bar in the centre which our letter shows; the shallow stroke at the lower end of the letter is an accidental mark, of which the rock has many. D and H *Khara-pautrasya*, but the fourth syllable is clearly *ttha* and not *tra*; cf. the same ligature in a subsequent word of the same line. DRB *Kharapitthasya*. D and H *bhrātrabhih* (for *bhātrabhih*). It is doubtful if the medial *ri* would be marked

<sup>1</sup> From a set of estampages.

<sup>2</sup> Explanation of abbreviations:—D = Bhan Daji, *Jour. Bo. Br. Roy. As. Soc.*, Vol. VIII, pp. 234 f.; H = Hoernle, *Ind. Ant.*, Vol. XII, pp. 32 f.; DRB = D. R. Bhandarkar, *Prog. Rep. Arch. Surv. of India, W. in Cele*, 1914-15, pp. 67-8.

[illegible]

१२३० भाष्यवर्षि ४ तिम वापस ज्ञेय  
 १८ त्वात्तद्वममुष्ण पितृ तत्तात्तद्वम  
 २० पतिनायुषी ज्ञेयते अत्र त्वज्जासापात्रा गमनस्य प्रायश्चित्तविवेक इत्यम् ॥ ३ ॥ अतश्च  
 २२ त्विनि ज्ञेयता प्रतीतिरिति वक्तव्यम् ॥ ४ ॥ अत्र त्वज्जासापात्रा गमनस्य प्रायश्चित्तविवेक इत्यम् ॥ ३ ॥ अतश्च  
 २४ त्विनि ज्ञेयता प्रतीतिरिति वक्तव्यम् ॥ ४ ॥ अत्र त्वज्जासापात्रा गमनस्य प्रायश्चित्तविवेक इत्यम् ॥ ३ ॥ अतश्च  
 २६ त्विनि ज्ञेयता प्रतीतिरिति वक्तव्यम् ॥ ४ ॥ अत्र त्वज्जासापात्रा गमनस्य प्रायश्चित्तविवेक इत्यम् ॥ ३ ॥ अतश्च  
 २८ त्विनि ज्ञेयता प्रतीतिरिति वक्तव्यम् ॥ ४ ॥ अत्र त्वज्जासापात्रा गमनस्य प्रायश्चित्तविवेक इत्यम् ॥ ३ ॥ अतश्च  
 ३० त्विनि ज्ञेयता प्रतीतिरिति वक्तव्यम् ॥ ४ ॥ अत्र त्वज्जासापात्रा गमनस्य प्रायश्चित्तविवेक इत्यम् ॥ ३ ॥ अतश्च  
 ३२ त्विनि ज्ञेयता प्रतीतिरिति वक्तव्यम् ॥ ४ ॥ अत्र त्वज्जासापात्रा गमनस्य प्रायश्चित्तविवेक इत्यम् ॥ ३ ॥ अतश्च

differently from the subscript *r* by the writer of this inscription. DRB *bhāttrabhiḥ*. I) *utthavitāsva* and H *utthavitast*[*i*]. The top of the fourth syllable is no doubt somewhat thick; nevertheless the sign of the length cannot be looked upon as having been marked. A part of our bracketed [*rga*] is lost in the crack and not distinguishable on the facsimile. DRB ends line 6 with *utthavita sva*-, and then gives an additional (seventh) line, [*rggasukhartha*], which we were not able to trace on the stone.

### TRANSLATION.

On the fifth (tithi) of the dark fortnight of Bhādrapada in the year 100, 20 [7], (during the reign) of the king, the Mahā-Kshatrapa Lord Rudrasēna, [son\*] of the king, the Mahā-Kshatrapa Lord Rudrasīha (Rudrasīmha) of auspicious appearance (*bhadra-mukha*)<sup>1</sup>; (and) son's son of the king, the Mahā-Kshatrapa Lord Rudradāman of auspicious appearance (*bhadra-mukha*); (and) grandson of the son of the king, the Kshatrapa Lord Jayadāman; (and) great-grandson of the son of the king, the Mahā-Kshatrapa Lord Chāśṭana of auspicious appearance (*bhadra-mukha*);—this *śatra*<sup>2</sup> was erected by the brothers of Khara[r]pattha, the son of Pratāśaka of the Mānasa *gōtra* . . . . . heaven . . . . .

### III.—Junāgaḍh Inscription of the time of the grandson of the Kshatrapa Jayadāman.

This inscription was first edited, with a translation and a photograph, in 1876, by Bühler in *Arch. Surv. West. Ind.*, Vol. II, pp. 140 f., and Plate XX; the block is rather small and almost useless for purposes of study. In 1895 Bühler's text was republished, with a few minor alterations, accompanied by a facsimile of an inked impression, and a translation of the text in the *Collection of Prakrit and Sanskrit Inscriptions*, Bhavnagar, p. 17, No. 1, and Plate XV. Rapson gives an abridged bibliography of the inscription, and summarizes briefly its contents in his *Catalogue of the Coins of the Andhra Dynasty, etc.*, p. lxi, No. 40. The most recent notice is by Prof. Lüders in his *List of Brahmi Inscriptions* (Appendix to *Epigraphia Indica*, Vol. X (1912), No. 966), where we find a complete bibliography of the inscription, a reading of the date (probably from the facsimile in the Bhavnagar *Collection of Prakrit and Sanskrit Inscriptions*) and a summary of its contents.

The inscription was discovered, during excavation, in front of one of the cells of an extensive complex of caves situated to the east of Junāgaḍh, close to a modern monastery known as Bāvā Pyārā's Maṭh. Regarding the mischances that fell to its lot after its discovery we have the following account by Burgess. While extricating it, he writes, "the workmen damaged one end of it, but, to add to the misfortune, some one carried it off to the palace in the city, and in doing so seriously injured it at one corner. When I went to photograph it, I had a difficulty

<sup>1</sup> *Bhadra-mukha* literally means 'lucky-faced,' but is here used specifically as the title of some of the Mahā-Kshatrapas.

<sup>2</sup> This word has not been met with elsewhere and its meaning is uncertain. Bhan Dajī renders it with 'tank' without assigning any reason for doing so; the dictionaries do not support this meaning. Hoernle suggests that it is a Prakrit form of *śatra*, which denotes 'a kind of expensive Sōma sacrifice extending over many days'; to *śatra* of our text he assigns accordingly the derivative meaning of 'liberality, munificence,' which does not convince us. It was remarked above that Prof. Lüders refers in this connection to the word *sata* (? seat) occurring in a Buddhist Cave inscription. Mr. R. D. Banerji looks upon the word as a Prakrit form of *śatra* and would translate it as 'almshouse,' which meaning that word has in most of the modern dialects of North India. Mr. D. R. Bhandarkar reads the word as *Śātri* and, connecting it with the following *-mānasa*-, regards Śākrimānasa as the *gōtra*-name, an explanation which does not commend itself to us. It may be noted that *uttharita* clearly implies that we have here to deal with a structure that was raised, elevated, erected, and not dug or sunk.



in tracing it; at length, however, it was found lying in a verandah in the circle in front of the palace.<sup>1</sup> For some time previous to its transference to the Museum the stone used to be kept in the State Printing Press at Junâgaḍh. The misfortunes which have fallen to the lot of this stone since its recovery did not end with those described by Burgess. As a result of some fresh accident, it is now in two halves, probably having split along the fissure which is noticeable in the facsimile published in the Bhavnagar *Collection of Sanskrit and Prakrit Inscriptions*, and referred to in the letterpress accompanying the facsimile.

The inscription is engraved on one of the faces of a dressed slab of soft calcareous stone about 2 feet each way and 8 inches thick. The epigraph contains four lines of writing, covering a space of about 1 ft. 9 in. in width by about 6 in. in height. The average size of such letters as *n*, *m*, *p*, and *b* is about  $\frac{1}{2}$ ". Much of the writing is seriously damaged. The two middle lines are in a fair state of preservation; but the greater part of line 1 and a good bit of line 4 are illegible. Moreover the inscription is fragmentary. The slab has lost a large fraction of its length: how much it is not possible to say. Bühler assumes that lines 2-4, at their left ends, are almost intact, only a couple of syllables being necessary in each to complete them. This is, however, far from being certain. As far as we can judge, there is nothing to show how much is missing on either side of the preserved portion. We can only say that the lost portion of ll. 2 and 3 must have contained, at least, the names of the son and grandson of Jayadāman as well as the year in which the record was dated, expressed possibly both in words and numerical ideograms.

The characters closely resemble those of the Gundā inscription of the time of the Kshatrapa Rudrasimha, which have already been minutely described above. It will, therefore, suffice to draw attention here only to a few outstanding features of the alphabet of this inscription. The syllable *mā* in l. 3, it will be noticed, shows that the sign of *ā* in *mā* was attached to the constricted part of the letter. The same line offers a specimen of the numerical figure 5. The sign of the medial *u* in *su* (l. 1) is seen to open towards the left; in *śu* (l. 3), on the other hand, it opens towards the right; of the medial *u* marked by a short horizontal stroke appended to the long vertical of a letter this inscription contains no specimen. We have here only one initial vowel, namely *i* (l. 3); it is denoted by three dots, of which two are placed in a vertical line on the left side of the remaining one. In *ś* the middle bar, which is attached only at one end, is almost vertical. The letter *y* shows the simple bipartite form. [In regard to the language we may note the irregular genitives (e.g. *ksha[trapa]sya*, l. 2) as in Inscriptions Nos. I and II.—Ed.]—As regards orthography the only point worth noting is that the inscription offers no instance of the phonetic doubling of consonants.

The inscription must belong to the reign of a Kshatrapa or Mahā-Kshatrapa who was the grandson (or rather son's son) of the king, Kshatrapa Lord Jayadāman, and great-grandson of Chāshṭana; the name of the ruling prince is lost with the portion of the record which is missing. This Satrap to whose reign the record referred itself was therefore either Dāmaysada I or Rudrasimha I (the brother and successor of the former). The purport of this fragmentary inscription cannot be determined, as the portion containing the object of the record is lost. It may be added that from the occurrence of the expression *kēvali-jñāna-saṃ[prāpta]* ('who had arrived at the knowledge of the *kēvalins*') in l. 4 it may be surmised that the inscription probably had something to do with the Jainas, since the word *kēvalin* occurs most frequently in Jaina literature.

The inscription is dated on the fifth (5th) day of the light half of Chaitra in a year which, like the purport of the record, cannot be ascertained, as it is lost in a lacuna of the text.

<sup>1</sup> *Arch. Surv. West. Ind.*, Vol. II, p. 140.



16 तशङ्खतमे<sup>1</sup> सम्वत्सरे । माघे मासि कृष्ण(णि)पक्षे चतुर्थ्या(र्थी)-  
न्तिथावङ्कतोपि सम्व-

Second Plate.

17 त(त्) १२३० माघ वदि ४ भौमवारे मकरगते सवितरि पुण्यतीर्थोद-  
केन विधिव-

18 तन्नात्वा देवमनुष्यपितृन्संतर्प्य भास्करपूजापुरःसर(रं) चराचरगुहं भगवन्त  
भवानी-

19 पतिमभ्यर्च्य हुतभुजि हुत्वा मातापित्रोरात्मनश्च पुण्ययशोविहङ्गये फोडिव-  
भट्टाचक्षा-

20 रविनिर्गताय शंक्लत्यगोत्राय शंक्लत्याङ्गिरसगौरोदत्तेत(ति)न्निप्रवराय वाजस-  
नेयसा(शा)-

21 खाध्यायिने ठक्कुरश्रीयशःप्रपौत्राय द्विवेद(दि)श्रीवील्हेपुत्राय

22 पण्डितश्रीरतनशर्माणे त्रा(त्रा)ह्मणाय कुशलतापूतेन हस्तीदकेन स्वस्तिवाच-  
नपूर्व(र्व) चन्द्रार्क-

23 समकालं पुत्रपौत्राद्या(द्य)न्वयानुगामिशसनीहा(क)त्वं प्रदत्ता । इति मत्वा  
भवद्विराज्ञाशरणवि-

24 धि<sup>2</sup>येर्भूत्वा भागभोगपशुहिरण्यं करशुल्कादि सर्व्वमस्मै समुपनेतव्यम(म)  
तदेनामस्य

25 भूमिं समन्दिरप्राकारां सनिर्गमप्रवेशां सर्वांश(स)नेक्षुकर्पासकुश(सु)मसणाम्-  
मधूका-

26 दि<sup>3</sup>भूरुहां सखनिनिमना(न्नां)<sup>4</sup> सलोहाद्य(द्या)करां सपशुमृगविड(ह)ङ्गमजलच-  
रामपरैरपि सी-

<sup>1</sup> Read सङ्खतमे.

<sup>2</sup> Read धे.

<sup>3</sup> This phrase also occurs in the Somrā plates (*Ep. Ind.*, Vol. IV, facing p. 167) and was read by Dr. Cartellieri as सर्वांशनेक्षुकर्पासमधूकादि (*Ibid.*, p. 169) and corrected as सर्वांसनेक्षुकर्पासमधूकादि. He translated it as "āsanas, shoots of sugar-cane, hemp, mangoes, madhūkas and so forth" (*Ibid.*, p. 158). The correct interpretation is "sāl (*Shorea robusta*), sugar-cane, cotton tree, hemp and mahua (*Bassia latifolia*)," to which our inscription adds kusuma (*Schleichera trijuga*), which produces most valuable lac. It would appear that the trees or plants mentioned are those which produced most valuable articles, sāl giving the best timber for buildings, sugar-cane materials for manufacture of sugar, cotton tree for cotton, sāl or hemp for ropes, and mahua for food, oil and liquor. What seem to be omitted are poppy and gañja plants, which might have been associated with mahua, though the latter's importance is so great that none others can claim a mention on anything approaching an equality to it. The *Indian Forester* (June 1917) remarks: "Truly the mahua among the forest trees stands equally for idealism and utilitarianism. In the mahua flowers exists acetic acid, and acetone is one of the primary ingredients of cordite, the chief explosive used in the guns which are thundering on different batt'le fronts in Europe."

<sup>4</sup> In the Somrā plates (*Ep. Ind.*, Vol. IV, facing p. 167) the phrase reads as सवनवृक्षनिमनान्, which Dr. Cartellieri read as सवनवृक्षनिमनान् (*Ibid.*, p. 169); but it seems clear that what was intended to be written was सवनखनिनिमनान् (together with forests, mines and hollows).

The only locality which the record mentions is the well-known **Giri-nagara**, which was the ancient name of Junāgaḍh, and which survives in that of the adjacent hill of Girnār.

TEXT.<sup>1</sup>

- 1 . . . . . s-tathā sura-gaṇ[a] . [kshatrā]nām pratha[na] . . .  
 . . . . .  
 2 . . . . . Chāshtanasya pra[pau]trasya rājñah ksha[trapa]sya-svāmi-  
 Jayadāma-p[au]trasya rājñō ma[hā] . . . . .  
 3 . . . . . [Chai]tra-śuklasya divasē pañchamē 5 i[ha] Giri-  
 nagarē dēv-āsura-nāga-ya[ksha]-rā[ksha]-s-ō . . . . .  
 4 . . . . . -thap[u]ram=iva . . . . . kēvali-[jñā]na-sam . . . . . nām .  
 . . . . . -jarā-maraṇ[a] . . . . .

## Remarks on the Transcript.

L. 1. GB reads in the first line . . . . . *ktṛi . raga . . . . . kshatrapa . . . . .*;  
 BI *stathā suraga . . . . . kshatrapa*. L. 2. GB adds *svāmi* in square brackets before  
*Chāshtanasya*. The bracketed syllable in -p[au]trasya has broken away and become illegible.  
 GB *pōtrasya*; BI *pautrasya*. The medial vowel of the first syllable is quite uncertain. L. 3.  
 GB, BI, and L read *pakshasya* after °*śukla*. The mistake had its origin in Bühler's faulty  
 transcript. GB, BI, and L read *pañchamē* for *pañchamē*. We do not see the *ñcha*; the sign  
 below *cha*, we believe, is only an abrasion; in any case, *ñcha* is by no means certain.  
 GB and BI °*rākshasēndri* . . . . . L. 4. GB. *praka(?) miva pa . . . . .*  
*kēvali-jñāna-samprāptānām jita-jara-maraṇānām (?)*.

## TRANSLATION.

. . . . . Also . . . . . the divine hosts . . . . . the first  
 among warriors (*kshatra*) . . . . . On the fifth (5th) day of the light  
 half of Chaitra in the year . . . . . (during the reign of) . . . . . king  
 Ma[hā-Kshatrapa] . . . . ., son's son of the king Kshatrapa Lord Jayadāman, the  
 great-grandson of . . . . . Chashtana. Here in Giri-nagara . . . . . the  
 gods, *asuras*, *nāgas*, *yakshas*, and *rākshasas* . . . . . city (?) . . . . . who had arrived  
 at the knowledge of the *kēvalins* . . . . . old age and death . . . . .

## No. 18.—THE PENUGULURU GRANT OF TIRUMALA I; SAKA 1493.

By C. R. KRISHNAMACHARLU, B.A., MADRAS.

The subjoined inscription is engraved on seven copper-plates which were forwarded,<sup>2</sup> in 1913, by A. H. A. Todd, Esq., I.C.S., then Special Settlement Officer, Madanapalli, Chittoor district, Madras Presidency, for examination, to the Assistant Archaeological Superintendent for Epigraphy, Southern Circle. It has been briefly reviewed by the latter officer in his *Annual Report* for 1912-13 (No. 1 of Appendix A and page 24, para. 61). I now edit it for the first time from a set of ink-impressions kindly placed by him at my disposal.

<sup>1</sup> From a set of estampages.

<sup>2</sup> This is very probably the set of copper-plates noticed by Mr. Sewell in his *Lists of Antiquities*, Vol. I, p. 131, as being in the possession of one Pidatala Chellambhatlu in the village Penagaluru in the Pullampet taluka of the Cuddapah district. The owner is evidently a descendant of the first in the list of the donees mentioned in the grant. See p. 258 below.

- 27 मान्तर्गतैर्वस्तुभिः सहितां सवाद्याभ्यन्तरादायां भुञ्जानस्य कर्षतः कर्षयतो  
दानाधानविक्र-
- 28 यस्मा कुर्वतो न केनचित्काचिद्वाधा कर्त्तव्या । यच्च च । राजराजपुरुषाटविक<sup>1</sup>-  
चाटादिभिः स्वं
- 29 स्वमाभावं परिहर्त्तव्यमिदञ्चास्मद्दानमनाद्वेष्टमनाहार्यञ्चेति भाविभिरपि भूगि-  
(मि)पालैः
- 30 पालनीयमिति ॥ उक्तञ्च ॥ षष्टिवर्षशहस्राणि<sup>2</sup> स्वर्गे वसति भूमिदः ।<sup>2</sup>  
आच्छेत्ता चा-
- 31 नुमन्ता च तान्येव नरके वसेत(त्) ॥ स्वहस्तोयं राजश्रीपरमर्हिदेवस्य  
मतन्मम । विरचितशुभ-
- 32 कर्मोन्नामवास्तव्यवंशः सकलगुणगणानां वेश्म पृथ्वीधराख्यः । अलि-  
खदवनिपालस्यान्न-
- 33 या धर्मलेखी स्फुटललितनिवेशैरक्षरैस्ताम्रपट्टम् । उत्कीर्णञ्च विज्ञानि-  
पालहणेनेति ॥

#### ABSTRACT.

(Ll. 1-2.) Victory to the moon, the progenitor of the Chandratrēya family of kings.

(Ll. 2-6.) Victorious is the king Paramardi-dēva, Lord of Kālañjara, who meditates on the feet of Madanavarman-dēva, who meditates on the feet of Prithvivarma-dēva, born in the family of the heroes Jayaśakti and Vijayaśakti.

(Ll. 7-8.) His valour harasses his enemies. He protects the earth as if she were a noble lady, and his wisdom is purified with discrimination.

(Ll. 8-23.) Having called the Brahmans, headmen and other officers of the village Dhanaura in the District of Ērachha, he states that in that village land measuring 10 × 6 or 60 square *rādhas* cultivable by five ploughs, and bounded on the east by the *nālā* belonging to the barber, on the south by a *nālā*, on the west by the embankment of the Bhatahaḍa tank, on the north by a Brahman's land and tank embankment, and also a square of 52 cubits of land for a dwelling-place, has been given by him at Camp Gahilū to Pandit Ratanaśarman (whose forefathers had come from Phodiva-Bhaṭṭa-āgrahāra) on a Tuesday the 4th of the dark fortnight of Māgha in Vikrama Samvat 1230, when the sun had entered the zodiacal sign Makara.

(Ll. 23-28.) Therefore the donee should be obeyed, and cattle, gold and taxes, etc., should be paid to him and no molestation caused by anybody in the enjoyment of land given along with the temple and mansion, with the rights of easement, with trees, such as *sāl*, sugar-cane, cotton tree, *kusum*, hemp, mango, *madhuka*, etc., with forests, mines, hollows and quarries of iron, etc., with animals, deer and birds, aquatic or otherwise, and other objects within the boundaries.

<sup>1</sup> आटविक denotes 'wild tribes.'

<sup>2</sup> Read सहस्राणि.

<sup>1</sup> The average South-Indian generally mispronounces the *ri* sound of Sanskrit words as *ri* or *ru*; e.g. *Krishna* is almost always pronounced as *Krishna* or *Krushna*. A



rule the compound *śa* is employed where *śa* has to be written (ll. 57, 134, 148, 155). The doubling of the consonant following *r* is common (*dharmma*, *varyya*, etc.), and throughout the inscription *ṛṣṭyā* is written for *ṛṣṭyā*. The *anuvāra* is always written at the proper left-hand top corner of the letter to which it belongs.<sup>1</sup>

Certain peculiarities of the language employed in the inscription may also be noticed. Telugu possessive forms appear in Sanskrit compounds; e.g. *Āravīti-nagari*<sup>o</sup> (l. 15), *Kaṁḍanavōli-durgam*<sup>o</sup> (l. 25), *Yimkulli-vamśa*<sup>o</sup> (ll. 203 f.), in which *Āravīti*, *Kaṁḍanavōli* and *Yimkulli* are the possessive forms of *Āravīḍu*, *Kaṁḍanavōlu* and *Yimkullu*. Kanarese case-endings are also retained in such compounds as *hosa-birudara-gaṁḍaḥ* (ll. 72-3) and *mūru-rāyara-gaṁḍaḥ* (l. 92), where *birudara* and *rāyara* are the possessive forms of *birudaru* and *rāyaru*. The use of *vikṛiti* forms like *Chālikka* for *Chālukya* (l. 87) and *māṇikka* for *māṇikya* (l. 87) is noteworthy.

The inscription is one of Tirumala I, the first crowned Vijayanagara king of the Āravīti line or the third Vijayanagara dynasty, which traced its descent from the Moon and was of the Ātrēya gōtra. It is dated in the Śaka year 1493, Prajāpati, Māgha, śukla-dvādaśī (i.e. the 12th day of the bright fortnight). According to Dewan Bahadur L. D. Swamikannu Pillai's *Ephemeris* this corresponds to Saturday, 26th January, 1572 A.D. The genealogy of the

## Anbil plates of Sundara-Chola issued with this Part relate to Vol. XV, Part II.

to mean that he conquered *śaṣṭa* and captured from him the fort of *Avanigiri-durga*. But it is evident that we have to separate the compound differently as *ādattē sm=Ādavani-*

<sup>1</sup> The position and the form of the *anuvāra* in these plates are similar to those in the Mārēḍapalli grant of Raṅga II (see Plate opposite page 330 of *Epigraphia Indica*, Vol. XI). In the earlier Vijayanagara grants the form of the *anuvāra* was a complete circle (*Epigraphia Indica*, Vol. III, Plate opposite page 88, and *Epigraphia Indica*, Vol. VII, Plate opposite page 82), while the *visarga* was composed of two such circles one above the other. The position of the *anuvāra* in the last but one of the references quoted is exactly as in the modern *Dēva-Nāgarī*, i.e. right above the letter to which it belongs. In the Daṇḍapalle plates of Vijaya-Bhūpati (S.F. 1332), edited by Mr. G. Venkoba Rao (*Epigraphia Indica*, Vol. XIV, pp. 68 ff.), the *anuvāra* is a loop, as in the earlier plates, but placed at the left-hand top corner, as in the plates under notice.

<sup>2</sup> For instance, the Mārēḍapalli grant referred to in foot-note 1 above. This record agrees in the first 28 verses with the present inscription.

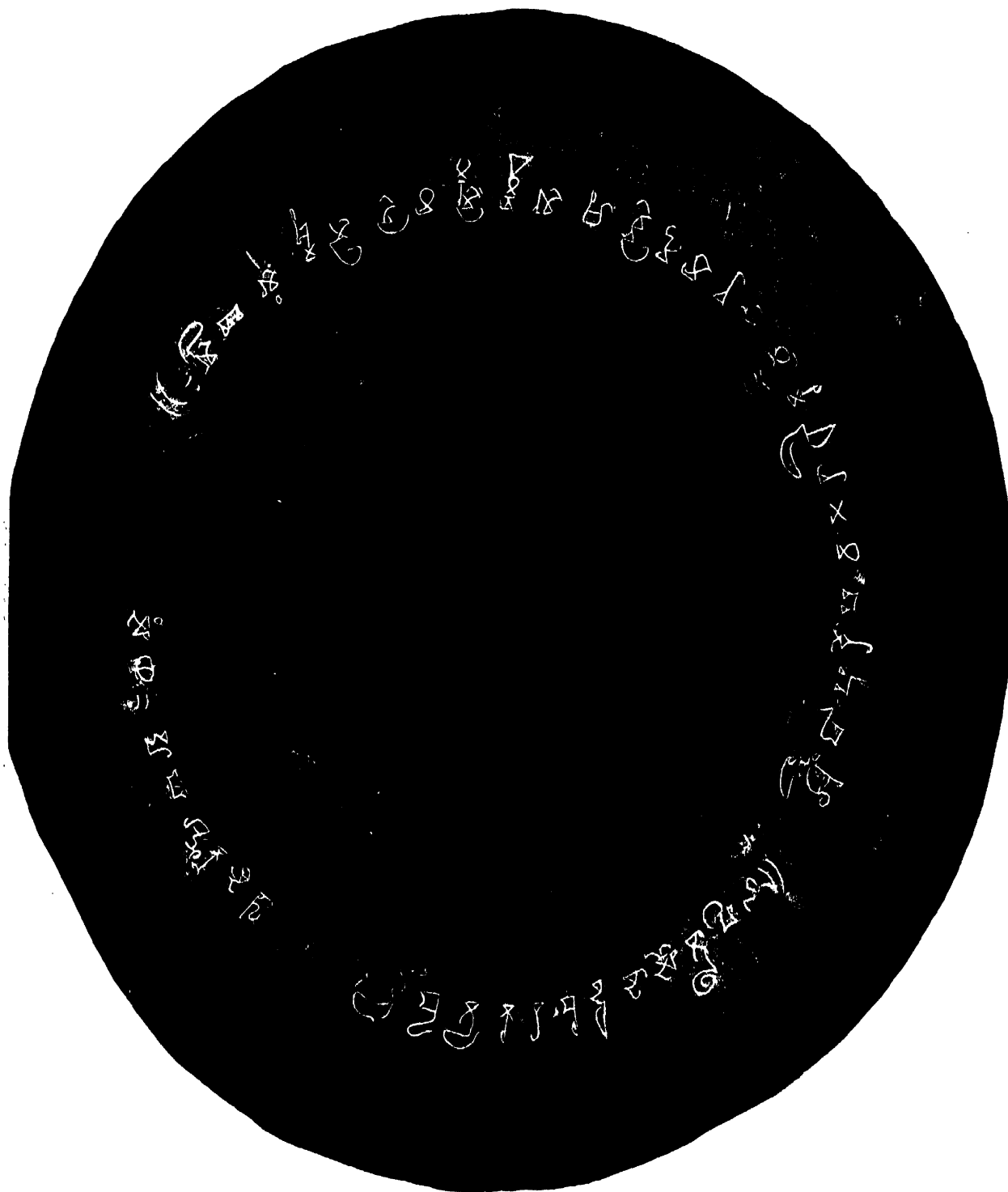
<sup>3</sup> This king seems to have been the first historical person in the dynasty whose status was recognized by the then ruling Vijayanagara kings. The Telugu poem *Rāmarājīyamu* gives him the title *Śāluva-Nṛsiṁharāya-rājya-pratishṭhāpan-āchārya*.

<sup>4</sup> It may be observed that the kings of the second Vijayanagara dynasty, viz. Kṛishṇa-Rāya, Achyuta-Rāya and Sadāśiva-Rāya, though they were Tuluvas, are given the epithet 'Śāluva', in a few records. The Āravīti chiefs, who had originally helped the Śāluvas, later on supported the Tuluvas too and contracted marriage relations with them.

<sup>5</sup> *Epigraphia Indica*, Vol. III, p. 239.

<sup>6</sup> *Sapāda* is apparently the Sanskrit form of 'Savaee', an appellation given to Yusoof Ādil Shah of Bijapur since the latter was educated at, and came from, Sava, a town in Persia; see Brigg's *Ferishta*, Vol. III, pp. 7 f. It may be noted that *sapāda* is also a Sanskrit rendering of the Hindustani word *savaī* which means one and a quarter. The Hindu writers of the period, in denoting Yusoof Ādil Shah as *sapāda*, were evidently not aware of the correct meaning of the title Savaee as applied to him.

Shorkot Inscription of the year 83.







(Ll. 28-30.) Moreover the rights of the king, state officers, forest tribes, soldiers, etc., shall cease and the future kings shall protect this gift as inalienable.

(Ll. 30-31.) Here follows a common admonitory verse.

(Ll. 31-33.) Given under his own hand by the illustrious **Paramardi-dēva**. Composed by **Prithvidhara** of a family resident in the village and carved by **Pālhaṇa**.

### No. 3.—SHORKOT INSCRIPTION OF THE YEAR 83.<sup>1</sup>

By J. PH. VOGEL, PH.D.

This inscription is engraved round the shoulder of a copper cauldron, found together with about a dozen other utensils at Shōrkōṭ in the Panjāb on the 8th September 1906.

The size of the letters may be defined as follows :—Simple *aksharas* measure from  $\frac{1}{4}$  in. to  $\frac{1}{2}$  in. in height, and ligatures (including vowel marks) average about 1 in.

#### TRANSCRIPT.

Sam 80+3 Māgha-śukla-di 5 [vai\*]yābrityakara-Buddhadās-ōtthāpi[ta] || Śibipur-  
apavana-Rādhika-vi[hā]ra-chāturdiśa-sarvāstivādi-bhikṣu-saṅghasya ||

#### TRANSLATION.

"In the year 83, in [the month] Māgha, the bright fortnight, the fifth day, dedicated by the *vaiyābrityakara* Buddhadāsa to the universal congregation of friars of the Sarvāstivādin sect at the Rādhika Convent in the park of Śibipura."

Notwithstanding its brevity, this epigraph presents several points of interest. As regards its date—the first point to be discussed—there prevails some uncertainty owing to the circumstance of the era to which it refers not being specified. We have, therefore, to choose between the following three possibilities : first, the date refers to the reign of some ruler ; second, it refers to the Lōkakāla or Saptarshi era ; third, it refers to the Gupta era.

The first assumption may be safely discarded, because, firstly, no king's name is mentioned, and, secondly, the year 83 would point to a reign of almost incredible length.

That in the Shōrkōṭ inscription the Lōkakāla should have been employed seems also very unlikely, as long as there is no proof forthcoming of this era having been used as extensively in the Plains of the Panjāb as we know was the case in the Hills. We are consequently led to assume that the era used in this inscription is the Gupta era—an assumption which fits best with the palaeographical evidence. As the initial year of this era must have corresponded to the period from the 9th March A.D. 319, to the 25th February A.D. 320,<sup>2</sup> the date of our inscription, if referred thereto, must have fallen about the beginning of the Christian year 403. Now it will be seen that the character used agrees most closely with that found in Gupta inscriptions of the 5th century of our era. Special attention may be drawn to the peculiar

<sup>1</sup> A preliminary note on this inscription has been published in the *Journal of the Panjāb Historical Society*, Vol. I, p. 174, under the title "Shorkot, the ancient Sibipura."

<sup>2</sup> Cf. J. F. Fleet, *Corpus Inscr. Ind.*, Vol. III, *Inscriptions of the early Gupta kings*, Introduction, p. 127.

rule the compound *śa* is employed where *śa* has to be written (ll. 57, 134, 148, 155). The doubling of the consonant following *r* is common (*dharmma*, *varyya*, etc.), and throughout the inscription *vrityā* is written for *vrityā*. The *anusvara* is always written at the proper left-hand top corner of the letter to which it belongs.<sup>1</sup>

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<sup>1</sup> The position and the form of the *anusvara* in these plates are similar to those in the Mārēdāpalli grant of Raṅga II (see Plate opposite page 830 of *Epigraphia Indica*, Vol. XI). In the earlier Vijayanagara grants the form of the *anusvara* was a complete circle (*Epigraphia Indica*, Vol. III, Plate opposite page 86, and *Epigraphia Indica*, Vol. VII, Plate opposite page 82), while the *visarga* was composed of two such circles one above the other. The position of the *anusvara* in the last but one of the references quoted is exactly as in the modern *Dēva-Nāgarī*, i.e. right above the letter to which it belongs. In the Dandapalle plates of Vijaya-Bhūpati (S.F. 1332), edited by Mr. G. Venkoba Rao (*Epigraphia Indica*, Vol. XIV, pp. 68 ff.), the *anusvara* is a loop, as in the earlier plates, but placed at the left-hand top corner, as in the plates under notice.

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<sup>4</sup> It may be observed that the kings of the second Vijayanagara dynasty, viz. Kṛṣṇa-Rāya, Achyuta-Rāya and Sadāśiva-Rāya, though they were Tuluvas, are given the epithet 'Śāluva', in a few records. The Āravīti chiefs, who had originally helped the Śāluvas, later on supported the Tuluvas too and contracted marriage relations with them.

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<sup>6</sup> Sapāda is apparently the Sanskrit form of 'Savae', an appellation given to Yusoof Ādil Shah of Bijapur since the latter was educated at, and came from, Sava, a town in Persia; see Brigg's *Ferishta*, Vol. III, pp. 7 f. It may be noted that *sapāda* is also a Sanskrit rendering of the Hindustani word *savai* which means one and a quarter. The Hindu writers of the period, in denoting Yusoof Ādil Shah as *sapāda*, were evidently not aware of the correct meaning of the title Savae as applied to him.

shape of the *aksharas* *ma* and *sa*. On account of the script it is out of the question that any other known era can have been used here.

The chronological question having thus been satisfactorily settled, we must turn our attention to the word following the date, which I read *vaiyābrityakara*. It will be noticed that the four *aksharas* *brityakara* are perfectly plain. The *akṣhara* preceding *brī* has the appearance of a ligature of which the second component is *ya*; it may perhaps be read *yā*. Between this character and the figure indicating the day there is an open space; apparently one or two *aksharas* have been effaced. Now as the word under discussion is immediately followed by the donor's name *Buddhadāsa*, there can be little doubt that the syllable *vai* has been lost and that we are justified in reading *vaiyābrityakara*. This term occurs in Sanskrit writings of the Buddhists in the two forms *vaiyābrityakara* and *vaiyāprityakara*, the latter being the correct one.<sup>1</sup> The word corresponds to the Pali *veyyāvachchakara*, meaning "one who does business or executes a commission for another, an agent."<sup>2</sup> I suspect, however, that in the Shōrkōṭ inscription it has a more restricted meaning and may denote some functionary—either *bhikṣhu* or *upāsaka*—in connection with a Buddhist monastery. I am led to this assumption not only by the position of the word in the inscription, but also by the connection in which it occurs in the *Mahāvīyutpatti*, where it immediately follows *navakarmika*.<sup>3</sup> As I am unable to define its meaning more precisely, I have chosen in my version of the inscription to leave it untranslated.

A point of special interest for the topography of the Panjāb is the mention of Śibipura, from which we may infer that the mound of Shōrkōṭ marks the site of the capital of the Śibis, a well-known tribe of ancient India. The Śibi *rāja* who bestowed his eyes upon a blind Brahman and gave away his own flesh to ransom a dove from a hawk is celebrated as the paragon of charity and self-sacrifice in both Brahmanical and Buddhist legend. The Śibi tribe is repeatedly mentioned in the *Mahābhārata*; but these references do not enable us to decide on the geographical position which they occupied beyond that they lived somewhere in the western region. In the course of the conquest of the world (*dig-vijaya*) ascribed to the Pāṇḍavas it is related that Nakula, the fourth of the five brothers, while engaged in subduing the western region, overcame the Śibi, Trigarta, Ambushṭha, Mālava and Pañchakarpata.<sup>4</sup> It should be remembered that the Trigarta country corresponds to the Kangrā Valley.

A famous episode<sup>5</sup> of the great epic relates how Jayadratha, the king of Sindhu, attempts to carry off Draupadī, the common spouse of the five Pāṇḍavas. Here the Śibis are mentioned as a tribe dependent on Sindhu.

Among the tribes of the Panjāb subdued by Alexander, the Greek authors mention the Siboi, in whom Lassen has recognized the Śibi of Indian literature.<sup>6</sup> Owing to the circumstance that they were armed with maces and wore skins of animals for clothing, the Greeks took them to be descendants of Herakles and his companions. Arrian somewhat vaguely locates them in the country between the Indus and Akēsines (i.e. the Chandrabhāgā or Chīnāb);

<sup>1</sup> Śāntidēva's *Śikṣhāsamucchaya* (ed. Bendall), p. 55; *Dīpāvadāna* (ed. Cowell and Neil), pp. 54 and 347; *Mahāvīyutpatti* (ed. Minayeff), Bibl. Buddh., XIII, 270, 22. For *vaiyābritya* cf. *Avadānasātaka* (ed. Speyer), Vol. I, p. 260, II, pp. 9, 13, 96.

<sup>2</sup> R. C. Childers, *Dict. of the Pali Language*, s.v. *veyyāvachchakāra*, "service or duty performed by an inferior for a superior." Cf. also Kern, *Manual of Indian Buddhism*, p. 84. "The function of a proxy or agent, *Veyyāvachchakara*, may be held by an inmate of the monastery (*ārāmika*) or a layman."

<sup>3</sup> This term occurs in several inscriptions from the North-West of India.

<sup>4</sup> *M. Bh.*, II, 1189 (= Bombay ed. II, 32, 7).

<sup>5</sup> *M. Bh.*, III, 15626 (= Bombay ed. III, 266, 11), and III, 15718 (= Bombay ed. III, 271, 3).

<sup>6</sup> Lassen, *Indische Altertumskunde*, Vol. I, p. 644, and II, p. 168. Vincent A. Smith, *Early History*, 3rd ed., sketch map facing p. 94, locates the Śibi in the Doab of the Hydaspes and Hydraotis (i.e. the Irāvatī, modern Rāvi).

*giri-durga* and translate the passage 'he took from him the hill-fort of *Ādavani*.' In agreement with this it is also clearly mentioned in the Telugu poem *Rāmarājīyam*, or *Narapati-vijayamu*, of Andugula Veṅkayya that Rāma crushed Kāsappuḍaya, who had hid himself in *Ādavani-durga*.<sup>1</sup> *Ādavani* is the modern *Adoni* in the Bellary district. Kāsappuḍaya<sup>2</sup> [=Kāsappa-Uḍaiyar.—F. W. T.], from whom Rāmarāja took this hill-fort, has not been identified. Rāmarāja conquered also *Kaṁḍanavōlu* (modern *Kurnool*); and the *Vasu-charitramu* informs us that he had his residence at that historic town. Rāmarāja had according to this latter poem three sons,<sup>3</sup> viz. *Timmarāja*, *Koṇḍa* and *Śriraṅga*, of whom the inscription mentions only the last.

Tirumala's appearance in epigraphical records ranges from about Śaka 1465 to Śaka 1493.<sup>4</sup> In Śaka 1465 (A.D. 1543) Tirumala was governing the *Udayagiri-durga*, perhaps as a deputy of his elder brother Rāmarāja, under the name *Rāmarāja-Timmayya-dēva-Mahārāja*.<sup>5</sup> Subsequently too he governed the province *Udayagiri-rājya* till Śaka 1473. In this year it is stated that he was enjoying the *nāyanharam* (lordship) of this province, governing it through his agent *Bayacharājayya*,<sup>6</sup> and that he was succeeded in that office by *Timmayya-dēva-Mahārāja*, son of *Kōṇṭayya-dēva-Mahārāja*.<sup>7</sup>

From Śaka 1473 to 1477 Tirumala seems to have remained at the capital as the minister of *Sadāśiva*.<sup>8</sup> From Śaka 1477 to Śaka 1481 he filled the office of the minister.<sup>9</sup> It may be observed that Cæsar Frederic states that during the regency of Rāmarāja his younger brothers, Tirumala and Veṅkaṭādri, were respectively minister and commander-in-chief. In Śaka 1488 Tirumala was ruling over the *Koṇḍavidu-rājya*.<sup>10</sup> After the battle of *Telikōṭa* (25-1-1565 A.D.)<sup>11</sup> he became the most important person in the court and kingdom of Vijayanagara owing to the death of Rāmarāja in that battle. The period Śaka 1489 to Śaka 1493 (the date of this inscription) is a rather doubtful one, for which we do not find any inscriptions which definitely describe the position of Tirumala. In the first of these years Tirumala made a gift in his own name, and in the last, we are told that he was 'ruling the earth.' We know also that the latest year for *Sadāśiva* was Śaka 1492.<sup>12</sup> Tirumala thus could only have ruled for three years,

<sup>1</sup> These facts are also mentioned in the *Vasu-charitramu*.

<sup>2</sup> Kāsappuḍaya could be identified with *Kāchapa-Nāyaka* of *Ādavani* or his son *Immadi Kāchapa-Nāyaka* mentioned in the Madras Epigraphical Collection for 1917, No. 719; see also paragraphs 12 and 69 of *A. R. on Epigraphy* for 1920-21.

<sup>3</sup> *Archæological Survey Report* for 1908-9, Table opposite page 200.

<sup>4</sup> Sewell's *Lists of Antiquities*, Vol. II, p. 76, mentions a record, dated Śaka 1499, which mentions him and his minister *Chennappa-Nāyaḍu*. The record must be of a time subsequent to the close of Tirumala's reign; see *Archæological Survey Report* for 1911-12, p. 184.

<sup>5</sup> *Nellore Inscriptions*, Udayagiri 80.

<sup>6</sup> *Ibid.*, Nellore 104.

<sup>7</sup> *Ibid.*, Udayagiri 22.

<sup>8</sup> See *Archæological Survey Report* for 1911-12, p. 180. Mr. Sewell refers to a revolt of Tirumala and his younger brother Veṅkaṭādri against their brother Rāmarāja, about A.D. 1551 (i.e. Śaka 1473; see *Archæological Survey Report*, 1911-12, p. 179). According to *Ferishta* (Brigg's Translation, Vol. II, pp. 104 & 105) Rāmarāja and Veṅkaṭādri were busy with *Bāhmani* affairs and so absent from the capital just about this time. In the *Būdhala* plates (*Epigraphia Carnatica*, Vol. IX, p. 44), dated in Śaka 1473, Tirumala assumes the titles of sovereignty.

<sup>9</sup> See *Nellore Inscriptions*, Nellore 112 and Gudur 113. Probably he was also the titular governor of the Gutti fortress at this time, since he is called *Gutti-Yaḍa-Tirumalarāja* in No. 412 of the Madras Epigraphical Collection for 1911, dated in Śaka 1477. From this year onwards he appears under this name invariably. *Ferishta* too calls him *Yeltumraj* (Brigg's Translation, Vol. III, pp. 128, 130, etc.).

<sup>10</sup> *Nellore Inscriptions*, Ongole 29.

<sup>11</sup> Brigg's Translation of *Ferishta*, Vol. III, p. 414.

<sup>12</sup> See *Archæological Survey Report*, 1911-12, p. 181. Rāmarāja was 96 years old in A.D. 1565 (Mr. Sewell's *Forgotten Empire*, p. 203). Allowing even a decade for the difference in the brothers' ages, Tirumala must then have been 86 and over 90 when he ascended the throne. This fact partly explains his short rule and the scanty number of his inscriptions.

but according to Curtius they were situated not very far from the confluence of the Hydaspes (i.e. the Vitastā, modern Jehlam) and the Akesines. This agrees very nearly with the position of Shōrkōṭ.

Sir Alexander Cunningham<sup>1</sup> in his account of Shōrkōṭ notes that according to the local Brahmans "the original name of the place was *Shivanagari* or *Sheopur*, which was gradually contracted to *Shor*." Thus we see that some reminiscence of the ancient name has been preserved down to the present day. In its correct form, Śibipura, we find it in the inscription here under discussion. The ancient name Śibipura has become contracted to the modern form *Shēr*, to which the word *kōṭ* (= a fort) has been added in the same way as has happened with the names of other towns of the Panjāb. Well-known instances are Siāl-kōṭ (in which *Siāl* is probably derived from *Sāgala*), Paṭhān-kōṭ (*Paṭhān* probably from *Pratishṭhāna*) and Nagar-kōṭ (in which *Nagar* means "the Town").

It further appears from the inscription that the spot where the metal vessels were found more definitely marks the site of the Rādhika Convent, which must have been situated in a park (*upavana*). Most probably this convent stood outside the walled city, as was usual in the case of Buddhist monasteries in India.

Finally it should be noticed that the Shōrkōṭ inscription confirms the prevalence of the Sarvāstivāda sect in the north-west of India. Several other epigraphical records bear testimony to the importance of the sect: one of them is the inscription on the famous relic casket of Kanishka discovered at Shāhji-ki-Dheri near Peshāwar in March 1909.<sup>2</sup> From the accounts of the Chinese pilgrims it is, moreover, evident that the influence of the Sarvāstivādins was by no means restricted to this part of India. While discussing the data supplied by the Chinese pilgrim I-tsing regarding the geographical extension of this school, Professor Takakusu remarks<sup>3</sup>: "It flourished in Central and North India, and had some followers in East and West India, but it seems to have had very few adherents in South India, and was entirely absent in Ceylon. In Sumatra, Java, and the neighbouring islands almost all belonged to this school, and in China all the four sub-divisions of it were flourishing. Even in Champa a trace of it was found. No other school, so far as we can ascertain, ever flourished so widely as the Sarvāstivāda, either before or after the seventh century; though its adherents in India alone, in Hiuen Tsiang's time, were not so numerous as those of the other schools."

#### No. 4.—BHAMODRA MOHOTA PLATE OF DRONASIMHA: THE YEAR 183.

By LIONEL D. BARNETT.

The following inscription was originally published by Mr. A. M. T. Jackson in the *Journ. Bombay Br. R. A. S.*, Vol. XX, No. LIV, pp. 1 ff., but without any facsimile. At the instance of the late Dr. Fleet Mr. D. R. Bhandarkar kindly sent me an excellent ink-impression, from which I now publish the text anew, together with a plate.

Mr. Jackson reports that the plate containing the present inscription, together with another charter, was found "baried in a field in the village of Bhamodra Mohota near Bhaunagar<sup>4</sup> in the year 1895," and was acquired by Mr. L. Procter Sims, engineer of Bhaunagar State. It is slightly irregular in shape: the maximum height is  $6\frac{1}{2}$  in., the maximum breadth

<sup>1</sup> *A. S. R.*, Vol. V, pp. 97 ff., and *Ancient Geography of India*, Vol. I, p. 133. Cunningham's identification of Shōrkōṭ with Alexandria Soriana is to be discarded.

<sup>2</sup> *A. S. R.* for 1908-9, p. 51, and for 1909-10, p. 136.

<sup>3</sup> I-tsing, *A record of the Buddhist religion*, transl. by J. Takakusu, Oxford, 1896, p. XXII.

<sup>4</sup> The only village with the name of Bhamodra that I can trace is some distance from Bhaunagar. It lies 16 miles nearly east from Kundla, in lat.  $21^{\circ} 23'$  and long.  $71^{\circ} 37'$ .

i.e. from about 1-11-1571 A.D. to about A.D. 1574, since the inscriptions of his son and successor Śrīraṅga (II) begin to date from Śaka 1496.<sup>1</sup> Tirumala appointed his four sons to the several governorships in the kingdom. And in the last days of his life he sought the company of the wise and the learned, leaving the burden of government to his sons.<sup>2</sup>

Tirumala was a lover of learning and even aspired to the fame of authorship. He figures as the writer of a commentary called *Śruti-rañjini* on Jayadēva's *Gīta-Gōvinda* (*Annual Report on Epigraphy* for 1899, p. 9). From the colophon to this work we learn that Tirumala's favourite deity was Rāma. Probably it was on account of this devotion that he is often praised in the present record as a repository of nectar-like devotion to Hari (*Hari-bhakti-sulhā-nāḍhi* (l. 95) and *Hari-gōchāra-mānasu* (l. 82)).

The object of the inscription is to register the grant of the village Penugulūru (l. 115) (called also Penalūr, perhaps by mistake for Pengalūr in l. 130) alias Yellama-rāja-samudram (*Ellama-riṅṅendra-samudram*, ll. 113, 130, and *Yellamarājasamudra*, l. 274), together with the two hamlets Yelammappāḍu-Chennapalli and Koṇḍūru-Chennapalli, made by king Tirumala at the request (*viññapti*) of the Maṭṭa chief Timmarāja, to a number of Brahmans. Penugulūru is said to be situated on the eastern bank of the river Mahābāhu in Pottapa-nāḍu,<sup>3</sup> a division of the Siddhavara-sīmā. The entire village was divided into 128 *vr̥ttis* (l. 129) and given to (115) Brāhmaṇas who were highly learned in the *śāstras* and were masters of the Vēdānta. But the actual number of *vr̥ttis* granted comes to 128½. Among the beneficiaries two were poets. Besides these, one *vr̥tti* was granted for the study (?) of the *R̥ig-Vēda*, one for that of the *Yajur-Vēda*, and one each to the local shrines of Viṣṇu and Hara (l. 273). Penugulūru is the modern Penagalūru in the Pullampet *tāluka* of the Cuddapah district in the Madras Presidency. Of the villages Pottapi, Śrīvaram, Koṇḍūru, Sīṅkamāla, Tirumalarāju-pēṭa and Inḍalū, mentioned among the boundaries of Penugulūru, the first, second, fifth and the sixth are identical with the modern Pottapi, Śrīvaram, Indlūru and Tirumalarāzupēṭa in the same *tāluka*. The river Mahābāhu is the Telugu Cheyyēru, which separates Penagalūru from Pottapi. The village Koṇḍūru-Chennapalli of the inscription is identical with Koṇḍūru-Chennarāja-samudram, about 2 miles north-east of Penagalūru. Yelammappāḍu-Chennapalli seems to have changed its name subsequently and to have been attached to Sīṅganamāla (Sīṅkamāla of our inscription), being now called Sīṅganamāla-Chennarāja-samudram. My thanks are due to E. A. Davis, Esq., Acting Collector of Cuddapah (1914), who very kindly obliged me by furnishing a tracing showing the localities mentioned in the inscription.

Timmarāja, who made to king Tirumala the request for the grant, belonged to the family of Maṭṭas.<sup>4</sup> They were of the Sūrya-vaiṣṇava (l. 119), the Kāśyapa *gōtra* (l. 120) and the Chōḷa lineage (l. 122). The family was known also as the Dēva-Chōḷa family.<sup>5</sup> It must have taken

<sup>1</sup> *Epigraphia Carnatica*, Vol. XII, Ck. 8, and *ibid.*, Vol. VII, Sb. 55.

<sup>2</sup> *Vasu-charitramu*, *Āvāsa I*, verses 67-82 : Raghunātha, the eldest son, was ruling over the northern part of the kingdom, fighting against the *Malakas* (*Mallicks*, i.e. Muhammadan chieftains); Śrīraṅga, the second son, was crowned as Yuvarāja and remained at the capital. Rāmarāja, the third son, was ruling over the Śrīraṅgapattana province, while Venkata ruled over the Chandragiri province.

<sup>3</sup> The actual form used in the inscription is Chita-Pottapa-nāḍu. Evidently Pottapa-nāḍu is a mistake for Pottapi-nāḍu. The division Siddhavara-sīmā, in which Penugulūru was situated, could not have been called after the village Siddhavaram in the Pullampet *tāluka* only 2 miles from Penagalūru, but must be identified with Siddhavata-sīmā in which according to No. 436 of the Madras Epigraphical Collection for 1911 Pottapi-nāḍu was situated. According to the same inscription Siddhavata-sīmā was a subdivision of the Udayagiri-rājya.

<sup>4</sup> In Telugu literary works the family name is given indifferently as Maṭṭa and Maṭṭi. This inscription uniformly has the former.

<sup>5</sup> No. 564 of 1915.

1 ft. 2 in. It is in perfect preservation.—The character is similar to that of other plates of the same locality and period, but is more angular, as will be seen by comparison with *e.g.* the five grants published in Vol. XI of this journal, pp. 104 ff., and notably with No. IV, pp. 114 ff.<sup>1</sup> The *jihvāmūṭiya* sign is found in *Drōṇasimha* (l. 1) and *pradīṣata* (ll. 6-7), the *upadh-māntya* in *bhagavatyāḥ* (l. 3) and *mātā-pitrōḥ* (l. 3). Twice, in *anumōḍḍyur* (sic!), l. 7, and *mōdati*, l. 9, we find an archaic type of *ṣ* attached to *m*, while elsewhere the ordinary form of the vowel is used. The numerals for 100, 80, 3, 10, and 5 occur on l. 11.—The language is Sanskrit; it is prose, except for the three formal verses in ll. 9-10. The spelling *-sthittya* (l. 6) may be noticed: cf. Pāṇini VIII. iv. 47, *Siddhānta-kaumudī* 48. On the spelling of the word *Pāṇḍurājyāyāḥ* in l. 3, where *jy* apparently stands for *j*, compare Dr. Konow's remarks above, Vol. XI, p. 105. The short *i* of *Shashthidatta* (l. 11) may be justified by Pāṇini, VI. iii. 63. The grammar of ll. 5-7 is very irregular; and the blame for this should probably rest with the official who drafted the document.


The purpose of the grant is to record an endowment by the Mahārāja Drōṇasimha of Valabhī (l. 1), who made over for the cult of the goddess Pāṇḍurājā (?) in the Hastavaprāharāṇi (l. 3) the village of Trisaṅgamaka (l. 5). It bears the signature of Bhīruvaka, the *dēvi-kurmāntika* or intendant of the estate of the goddess (l. 11), and was drafted in fair copy by Kumārila-patika (?), son of Shashthidatta (l. 11). Drōṇasimha was the second son of Bhaṭārka, the founder of the Maitraka dynasty of Valabhī; on this subject it suffices to refer to the remarks of Messrs. Jackson (*in loco*) and Smith (*Early History of India*, 2nd edn., p. 314).

The date is given on l. 11 as Samvat 183, the 15th day of the bright fortnight of Śrāvaṇa. If we take this as denoting the current year of the Valabhī era, the *tithi* mentioned must correspond to Monday, 18 July, A.D. 501, on which day it ended about 8 h. 26 m. after mean sunrise. But, as Mr. Sowell has pointed out to me, it may possibly denote an expired year, corresponding to A.D. 502: in that year there was an intercalated Śrāvaṇa, and hence, if the *tithi* mentioned refers to this intercalated Śrāvaṇa, it must have been current at sunrise on Saturday, 6 July, A.D. 502, while, if we refer it to the *nija* Śrāvaṇa of the same year, it must be connected with Sunday, 4 August, A.D. 502.

The only places mentioned are Valabhī (l. 1), the Hastavaprāharāṇi (l. 3), and Trisaṅgamaka (l. 5). Valabhī is the modern Walā, in Kathiāwār. Hastavapra is now Hāthab, 6 miles south of Gōghā, in Bhaunagar State; on this I may refer to Dr. Konow's remarks above, Vol. XI, p. 106. Trisaṅgamaka has been identified by Mr. Jackson with Tarsamiā, near Hāthab.

### TEXT.<sup>2</sup>

[Metres: vv 1-3, *Anuṣṭubh*.]

- 1  Svasti Valabhitāḥ Parama-bhaṭṭāraka-pād-ānudhyāto mahārāja-  
Drōṇasimhāḥ-kuśali sva-vishaya[kān\*] sarvān-ēv-āsmat-santaḥ-āyuktaka-  
viniyuktaka-maha-
- 2 ttara-drāṅgika-dhruva-sthān-ādhikarapaṇi(pika)-chāṭa-bhaṭ-ādi[m\*]ś-cha samājñāpayaty-  
Astu vō viditam yathā mahā-vijay-āya[r\*]-ddharmma-phala-yaśo-vishaya-  
vri(vī)ddha-
- 3 yō nō varsha-sahasrāya sarva-kalyāṇ-ābhīprāya-sampattayē cha Hastavapr-  
āharanyām śrī-bhagavatyāḥ-Pāṇḍurājyā(jā)yāḥ<sup>3</sup> mātā-pitrōḥ-puny-āpyāyana-mi-

<sup>1</sup> I may add that I am unable to agree with Dr. Konow's suggestion that the present plate is spurious (*ibid.*, p. 106, n. 1).

<sup>2</sup> From the ink-impression.

<sup>3</sup> See above.

its name from Maṭṭi, a village in the Rāyachōṭi *tāluka* of the Cuddapah district. This family seems to have been in power during the time of the second and third Vijayanagara dynasties. Inscriptions relating to the chiefs of the family,<sup>1</sup> found in the Madras Epigraphical Reports, show that they were in power till the end of the 17th century A.D. Ananta, the younger brother of Timmarāja, was the author of the well-known Telugu poem *Kākustha-vijayamu*.<sup>2</sup> The genealogy given in the prologue to this work mentions a Bomma as the founder of the family. Varadarāja, the great-grandson of Bomma, is said to have been the son-in-law of the great Vijayanagara emperor Krishna-Rāya. Tirumala (I) is stated to have granted the country of Pottapi-nāḍu as *amara-nāyaka* to this Varadarāja (called Varadayya-Dēvachōḍa-Mahārāja). The Maṭṭi chiefs were dependants and adherents of Tirumala from the time of his local governorship and ministry. An unpublished Telugu inscription<sup>3</sup> in the huge tower of the Gōvindarāja-Perumāḷ temple at Lower Tirupati (Chittoor district, Madras Presidency) states that the tower was built by the Mahāmaṇḍalēśvara Maṭṭa Anantarájaya-Dēvachōḍa-Mahārāja, son of Tiruveṅgaḷanatharājaya-Dēvachōḍa-Mahārāja. This Anantarāja must evidently be a grandson of the poet Ananta, since from No. 564 of the Madras Epigraphical Collection, 1915, we learn that the poet had a son called Tiruveṅgaḷanātha.

The members of the Maṭṭa family must have been staunch Vaishnavas. The poet Ananta, in the prologue to his work, invokes the blessings of the god (Vishṇu) of Tirupati and his symbols. In the colophon to this same work Ananta calls himself a disciple of the Vaishnava teacher Tirumala Tōḷappa-āchārya.<sup>4</sup>

The grant was composed by the poet (*kavi*) Svayambhū, the son of Sabhāpati. The latter was a poet at the court of Achyuta-Rāya and composed his Ūnamāñjērī grant.<sup>5</sup> Likewise Gaṇa-paya-āchārya was the engraver of our inscription, while his father Virapa incised the Ūnamāñjērī plates. The offices of composer and engraver seem to have gone by heredity in the Vijayanagara court.

The grant was made in the presence of (the god) Rāmachandra, evidently the god of that name in a temple at Penugōḍa. It is to be observed that, though the grant was made in the presence of Rāma and on that account one would expect the sign-manual of the king to consist of the name of that deity, we nevertheless find both in these and in the Tumkur plates<sup>6</sup> of this king that the sign-manual continues to be Śrī-Virūpāksha, the name of the tutelary deity of the earlier Vijayanagara kings. In the grants of Śrīraṅga (II), the son and successor of Tirumala, the same sign-manual still continues. But subsequent to him 'Śrī-Virūpāksha' gives place to 'Śrī-Veṅkaṭēśa'.<sup>7</sup> This marks a transition in the devotion and creed of the later Vijayanagara kings.

<sup>1</sup> Nos. 430, 434 and 436 of 1911 and Nos. 3 and 4 of Appendix A to the Annual Report of 1908. Mr. Sewell (*Lists of Antiquities*, Vol. I, p. 130) states that the present Chitvel rāja is a descendant of the Maṭṭas.

<sup>2</sup> *Annual Report on Epigraphy*, 1912, page 88, para. 70. This inscription (No. 564 of 1915) from Siddhout attributes to him other literary works also in addition. [This important record of Maṭṭa Ananta will soon be published in the *Epigraphia Indica* by Mr. A. Rangaswamy Saraswati, B.A., Madras.—H. K. S.]

<sup>3</sup> No. 734 of 1916. In the light of this record the inference suggested on p. 124 of the *Annual Report on Epigraphy* for 1913, regarding the raising of this *gōpura*, has been altered.

<sup>4</sup> This family of Vaishnava teachers is one of the well-known *āchārya-piṭhas* (priestly families) of the Vaḍa-ḡalai sect. Its descendants are now at Lower Tirupati and are related to the well-known family of Kōṭṭikanyakā-dānam Tātāchāryas of Conjeeveram, an ancestor of whom was the spiritual preceptor to the Karpāṭa king Venkata I.

<sup>5</sup> *Epigraphia Indica*, Vol. III, pp. 151 ff.

<sup>6</sup> *Epigraphia Carnatica*, Vol. XII, Tk. 1.

<sup>7</sup> See *Indian Antiquary*, Vol. XLIV, p. 235.



၁။ နှစ်သစ်သို့ - ပျဉ်းကပ်သော အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို  
 ၂။ အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို  
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 ၄။ အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို  
 ၅။ အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို  
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 ၇။ အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို  
 ၈။ အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို  
 ၉။ အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို  
 ၁၀။ အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို အကျိုးအမြတ်ကို

TEXT.<sup>1</sup>

[Metres: vv. 1 to 4, 34, 39 to 42, 44 to 64, 66-71, 73-98, 100 to 113, 115, 117-121, 123 to 136, 138 to 176 and 179 to 183, *Anushubh*; vv. 5, 7 and 23-26, *Śārdulavikrīḍita*; vv. 6, 22 and 28, *Sragdharā*; vv. 8 and 33, *Rathoddhatā*; vv. 9 and 14, *Vasantatilakā*; vv. 10 and 15, *Prithvī*; vv. 11 and 20, *Sikharinī*; vv. 12 and 32, *Sailatikhā*; v. 13, *Indravajrā*; vv. 16, 18 and 30, *Mālinī*; vv. 17 and 31, *Pushpātāgrā*; vv. 19, 21, 27 and 29, *Upajāti*; vv. 35 to 37, 43, 65, 72, 99, 114, 116, 122, 137, 177 and 178, *Āryā (Giti)*; v. 38, *Dōdhakā*; v. 184, *Śalini*.]

[NOTE.—Letters and symbols in round brackets are to be omitted.]

## First Plate.

- 1 श्रीगणाधिपतये नमः । नमस्तुंगशिरसुं चंद्रचा-
- 2 मरचारदे । त्रैलोक्यनगरारंभमूलस्तंभाय शंभवे ।[1१\*] हरेर्लीला-
- 3 वराहस्य दंष्ट्रादंष्ट्रं पातु वः । हे[मा\*]द्रिकलया यच्च धामो  
कलत्रि-
- 4 यं दधी ।[1२\*] कल्याणायास्तु तन्नाम प्रत्युहतिमिरापहं । यद्गोप्य-
- 5 गजोद्भूतं (1) पंचाख्येनापि शाक्तं ।[1३\*] जयति वीरजलधेर्जातं  
सख्येन-
- 6 चं हरेः । आलंबनं चकोरायाम(१)मरायुष्करं महः ।[1४\*] पीतस्तस्य  
पुरु-
- 7 रवा बुधसुतस्तस्यायुरस्यात्मजः सजज्ञे नहुषो ययातिरभवत्त-
- 8 आच पूरस्ततः । तदंशे भरतो बभूव नृपतिस्तत्संत[त\*]तो शंतनुस्तत्तुर्वी
- 9 विजयोभि[म\*]न्युदभूतस्मात्परिचिततः<sup>४</sup> ।[1५\*] नंदस्तस्याष्टमोभूत्समजनि
- 10 नवमस्तस्य राज्ञश्चक्रिज्जपस्तत्प्रसम[.]\*<sup>५</sup> श्रीपतिश्चिचिरभ[व\*]द्राजपू-<sup>६</sup>
- 11 र्ख्यो नरेद्रः<sup>७</sup> । तस्यासीद्विज्जकेद्रो<sup>८</sup> दशम इह नृपो वीरश्चेन्माकिरायस्ता-
- 12 र्तीयोको सुरारो<sup>९</sup> कृतनतिरुदभूत्तस्य मायापुरीषः<sup>१०</sup> ।[1६\*] तत्तुर्वीजनि
- 13 तातपिंनममहीपालो<sup>११</sup> निजाशोकनवस्तामित्रगणस्ततो जनि हरं(1)<sup>१२</sup>
- 14 दुर्गाणि सप्ताहितात् । अश्वै<sup>१३</sup>केन स सोमिदेवनृपतिस्तस्यैव जज्ञे सुतो
- 15 वीरो राघवदेवराडिति ततः श्रीपिंनमोभूत्तपः<sup>१४</sup> ।[1७\*] आरवीटिनगरोर्वि-
- 16 भीरभूदस्य बुधधरणीपतिस्तुतः<sup>१५</sup> । येन साकुवदुसिंहराज्यमप्येध[मा]-

<sup>1</sup> From ink-impressions kindly lent to me by the Assistant Archaeological Superintendent for Epigraphy, Southern Circle. [Note that verses 2, 4-24, 26-28 recur in the Vellāṅguḍi Plates of Venkṭāpati-dēva-Mahārāja of Śaka 1520, edited by the late Mr. T. A. Gopinātha Rao; below, Vol. XVI, pp. 298 sqq.—H. K. S.]

<sup>2</sup> Read °स्य.

<sup>3</sup> Read °य.

<sup>4</sup> Read °परिचिततः.

<sup>5</sup> Read °रसमनः.

<sup>6</sup> Read °द्राजपूर्वी नरेद्रः.

<sup>7</sup> Read नरेद्रः.

<sup>8</sup> Read °बेदी.

<sup>9</sup> Read रिः. [Other plates clearly read री.—H. K. S.]

<sup>10</sup> Read वः.

<sup>11</sup> Read °पिंनमं.

<sup>12</sup> Read हरं.

<sup>13</sup> [The plate has नृ. —H. K. S.]

<sup>14</sup> Read °भूधरः.

<sup>15</sup> Read °सुतः.



- 17 नमहसा स्थिरीकृतं । [८\*] स्वःकामिनोः\* स्वतनुकांतिभिराक्षिपङ्गी<sup>1</sup>  
 बुक्काव-  
 18 नीपतिलको बुधकल्पशाखी । कल्याणिनी कमलनाभ इवाभिकान्या<sup>2</sup>  
 19 वक्त्राविकामुदवहद्बहुमान्यशोकां । [९\*] सुतेव कलशांबुधैरसुरभिका<sup>3</sup>-  
 20 शुभं माधवात्कुमारमिव शंकरात्कुलमहीभृतः कान्यका । जयंतमम-  
 21 रप्रभोरपि शचीव बुक्काधिपाञ्चृत<sup>4</sup> जगति वक्त्रमालभत रामराजं  
 22 सुतं [१०\*] सहस्रैरसप्तत्या<sup>5</sup> सहितमपि यशसं<sup>6</sup> धुजनुषां सपादस्या-  
 नीकं समि-  
 23 ति भुजशौर्येण महता । विजित्यादत्ते आदवनिगिरि-  
 24 दुर्गं विभुतया विधुतेन्द्रः<sup>7</sup> (i) काशप्युडयमपि विद्राव्य सहसा । [११\*]

Second Plate; First Side.

- 25 कंदनवोलिदुर्गमुरुकंदकदभ्युदयो बाहुबलेन यो  
 26 बहुतरेण विजित्य हरेः । सन्निहितस्य तत्र चरणांबुधु भ-  
 27 क्ततया ज्ञातिभिर<sup>8</sup>पितं सुधयति आ निशे<sup>9</sup>व्य विषं । [१२\*] श्रीराम-  
 28 राजक्षितिपस्य तस्य चिंतामणेरर्थिकदंबकानां । जम्भीरि-  
 29 वांभोरुहलोचनस्य लकाविकामुष्य<sup>11</sup> महिष्यलासीत् । [१३\*] त-  
 30 स्याधिकैश्च<sup>12</sup>मभ[व]त्तनयस्तपोभिश्च<sup>13</sup>श्रीरंगराजमृपतिश्च<sup>14</sup>शि-  
 31 वंशदीपः । आसन्समुज्जसति धामनि यस्य चित्रं नेत्राणि वैरि-  
 32 सुदृशां च निरंजनानि । [१४\*] सतीं तिरुमलाविकां चरितलीलया-  
 33 रुंधतीप्रथमपि तितिक्षया वसुमतीयशो रुंधती । हिमांशु-  
 34 रिव रोहिणीं हृदयहारिणीं सनुषैरमोदत सधर्मिणीमयम-  
 35 वाप्य वीराग्रणीः । [१५\*] रचितनयवित्तरं रामराजं च धीरं वरति-  
 36 कमलरायं वेकटाद्रिक्षितीश । अजनयत् स एतानामुपूर्वा कुमा-  
 37 [रा]निह तिरुमलदेव्यामिव राजा महीजाः । [१६\*] सकलधुवनकंटकान-

<sup>1</sup> Read °विपङ्गी.

<sup>2</sup> Read क°.

<sup>3</sup> Read क्षि.

<sup>4</sup> Read °ज.

<sup>5</sup> Read स.

<sup>6</sup> Read °कान्या.

<sup>7</sup> Read °कुत.

<sup>8</sup> Read °विधुतेन्द्रः.

<sup>9</sup> Read °विधुतेन्द्रः.

<sup>10</sup> The Tumkur plates of Tirumala, referred to above, read लकाविका.

<sup>11</sup> Read °विधुतेन्द्रः.

<sup>12</sup> Read सहस्रैरसप्तत्या.

<sup>13</sup> र is a correction from म.

- 4 mittam=ātmanas=cha puṇy-ābhivra(vṛi)ddhayō ā-chandr-ārka-ārṇava=kshiti-sthiti  
sarit-parvvata-samakālinam bali-charu-vaiśvadēv-ādyānam kriyānam samutsarppa-  
ārttha[m]
- 5 Trisaingamaka-grāma, gandha-dhūpa-dīpa-taila(la)-māly-ōpayōjyam dēvakulyasya cha  
putita-viśirṇa-pratisaṁskara-ārttham satr-ōpayōjyō(jya)s=sa-hiraṇy-ā-
- 6 dēyas=sah=ānyais=ch=ādānair<sup>1</sup>=a-chāṭa-bhaṭa-prāvēśyam brahma-dēya-sthityā udak-  
ātisarggēṇa nisṛiṣṭaḥ vyatō=sy=ōpachita-nyāyata<sup>2</sup> bhujentaḥ<sup>3</sup> kṛiṣa(sha)taḥ  
pradisata-
- 7 h=karahāṇyato vā na kēnachis(t)=av-alp=ābādhā vichāraṇā vā kāryyā yaś=  
ch=ā[ch\*]chhidyamānam=anumōḍōyur=asau<sup>4</sup> mahā-pātakais=s-ōpapātakais=cha
- 8 samyuktō=smad-vamś-āgāmi-rājabhīr=anyais=cha sāmānyam bhūmi-dāyam=avēty=  
[ā\*]smad-dāyō=numantavyō=pi ch=ātra Vyāsa-kṛitāḥ ślōkā bhavanti
- 9 Shashṭim varsha-sahasrāṇi svarggō mōdati bhūmidah [I\*] āchohḥettā oh=  
ānumantā cha<sup>5</sup> tāny-ēva narakō vaśō(sē)t [||\* 1\*] Śva-dattān para-dattā[m\*]  
vā yō harōta vasundharām [I\*]
- 10 gavām śata-sahasrasya hantu[h\*]=prāpnōti kilbisham [||\* 2\*] Bahubhir=vvasudhā  
bhuktā rājibhisagarādibhi<sup>6</sup> [I\*] yasya yasya yadā bhūmi[s\*]=tasya tasya  
tad[ā\*] phalam [|| 3\*]
- 11 Bhiruvaka<sup>7</sup>-dēvi-karmāntikah sam 100 80 3 Śrāvāṇa śuddha 10 5  
svayam=ājñā Likhitam Shashṭhidatta-putrēṇa Kum[ā\*]rila-patikēna<sup>8</sup>

No. 5.—THE ANDHAU INSCRIPTIONS OF THE TIME OF RUDRADAMAN.

By R. D. BANERJI, M.A.

In January 1906 Mr. D. R. Bhandarkar, M.A., Carmichael Professor of Ancient Indian History and Culture in the University of Calcutta, then Assistant Superintendent, Archaeological Survey, Western Circle, discovered six stone inscriptions "at Bhuj in the stores of the Engineering Department, near the palace."<sup>9</sup> These inscriptions were originally found "at Andhau in Khāvḍā, also called Pachchham. They were standing there as monuments on a hillock, but were removed to Bhuj by the late Dewān Ranchhodhbhai Udairām, who was very keen on antiquarian matters."<sup>10</sup> In 1906 Mr. Bhandarkar found that "these stone inscriptions are much weather-worn and would not yield any satisfactory estampages." In December 1914 Mr. Bhandarkar visited Bhuj with Mr. K. N. Dikshit, M.A., then Archaeological Assistant to the Prince of Wales Museum of Western India, Bombay, and re-examined the inscriptions. In his annual report for the Western Circle for the year ending 31st March 1915 Mr. Bhandarkar states that "the stones were no doubt seen by me nine years ago, when I first visited Cutch. But then I had no time to decipher the inscriptions. The letters were so curiously weather-worn that they do not yield even passable estampages, but it is possible to prepare satisfactory transcripts from

<sup>1</sup> The *ra* has been omitted, and added below the line.

<sup>2</sup> Read =*ōchita-nyāyēna*.

<sup>3</sup> Read *bhujentaḥ*.

<sup>4</sup> Read *anumōḍēt=asau*.

<sup>5</sup> After *cha* is a short stroke like a hyphen.

<sup>6</sup> Read *rājibhis=Sagar-ādibhiḥ*.

<sup>7</sup> Between *rv* and *va* is what seems to be a blocked-out *ga*; and Mr. Jackson actually read the name as *Bhīrugavaka* [connected with the name of Broach, *Bhīrugakachchha*?—Ed.].

<sup>8</sup> Mr. Jackson read *-kshatrikēna*, perhaps rightly; but there is no diagonal cross-bar in the *ksha*. The last letter may be *na* or *na*.

<sup>9</sup> *Annual Progress Report of the Archaeological Survey, Western Circle, 1905-06*, p. 35.

<sup>10</sup> *Ibid.*

- 38 रातीन्समिति निहृत्य<sup>1</sup> स रामराजवीरः । भरतमनुभगीरथादिराज-  
 39 प्रथितयथाः प्रगशास चक्रमुर्व्याः ।[1१७\*] वितरणपरिपाटीं यस्य विद्याधु-<sup>2</sup>  
 40 रीणां नखरमुखरवीणानादगीतान्निगम्य [1] अनुकलमयमयमावा<sup>3</sup>-  
 41 लांविंवापदेशादमरनगरशाखो लज्जया मज्जतीव ।[1१८\*] व्यराजत  
 42 श्रीवरवेंकटाद्विराजः[\*] श्रिया निर्जितराजराजः । ज्वालोषदूरी-  
 43 कृतमेघनादः कुर्वन्मुमिताशयहर्षपोष ।[1१९\*] त्रिषु श्रीरंगस्त्राप-  
 44 रिवृ<sup>4</sup>ठकुमारिष्वधिरणं विजित्यारिस्त्रापांस्तिरुमलमहाराय-  
 45 नृपतिः । 'महौजाश्रमाश्रये सुमेतिरभिषिक्तो निरुपमे प्रशास्त्युर्वी'  
 46 सर्वामपि तिसृषु मूर्तिष्विव हरिः ।[1२०\*] यशस्विनामघसरस्य यस्य  
 47 पद्मभिषेके सति पार्थिवो<sup>5</sup>दोः । दानांबुपूरैरभिषिच्यमाना देवीप-  
 48 दं भूमिरियं दधाति ।[1२१\*] यस्यातिप्रौढतेजसवितर<sup>6</sup> विमतध्वांत-

Second Plate ; Second Side.

- 49 मेदिन्युदीत<sup>7</sup> कीर्त्तिचोराणवांत[\*]स्फुटतरविकसत्पुंडरी-  
 50 कोपमस्य । श्वेतच्छत्र[स्य\*]<sup>8</sup> मध्ये कनककलशिका भासते कर्णिका-  
 51 भा(1) तस्योपांति मराकडयमिव विचलच्चामरद्वंद्वमास्ते ।[1२२\*]  
 52 भोगित्वे विदितेपि जिह्वग<sup>9</sup> इति व्याकाधिराजं लसद्भुत्त-  
 53 त्वे(पि) जळसंश्रयीति कमठं दानेपि मंदा इति । दिवागा-<sup>10</sup>  
 54 न्भृशमुन्नतौ च कठिना इत्येव हित्वा गिरीस्तत्सत्सङ्गुण(स-  
 55 ङ्गुण)संपदेकशरणं भूरेति हर्षेण यं ।[1२३\*] स्वैरं संहतकंठ-  
 56 कीय सुकतोत्कृष्टा<sup>11</sup> विधायाखिलं श्माकेदारसुदारदान-  
 57 सलिलासारैस्समापूर्य<sup>12</sup> च [\*] संवत्स्रानघकीर्त्तिसस्यनिव-  
 58 चं तस्यालिकां विक्रमश्रीकांतां भुजकायमानशिखरे धत्ते  
 59 हि यस्तेजसा ।[1२४\*] जिष्णुत्वं शुचितां प्रजासु समतावर्त्तित्वमप्या-  
 60 [त्रि]ती वृत्तिं पुण्यजनप्रियामधिगतः ख्यातः प्रचेता इति ।(1)  
 61 प्राप्तस्यार्धनवि<sup>13</sup>भ्रमो धनपतिश्च<sup>14</sup>धनभावांचितः प्रायो यः प्रकटी-

<sup>1</sup> The reference here might be to the fight which Rāmarāja had with Salaka and his victory over him mentioned in verse 44 of the *Vaṇcharitramu*, *Āvāsa* 1.

<sup>2</sup> Read विद्याधु°.

<sup>3</sup> Read °स्त्राश्रमाश्रये सुमेति°.

<sup>4</sup> Read °स्त्राश्रमाश्रये सुमेति°.

<sup>5</sup> Read °पार्थिवो°.

<sup>6</sup> Read °वि°.

<sup>7</sup> Read अनुकलमयमावा°.

<sup>8</sup> Read प्रौढतेजसवितरि°.

<sup>9</sup> Read जिह्वग°.

<sup>10</sup> Read °स्त्राश्रमाश्रये सुमेति°.

<sup>11</sup> Read °वि°.

<sup>12</sup> Read °वि°.

<sup>13</sup> Read दिवागा°.

<sup>14</sup> Read वि°.

originals. Last time I had not sufficient time to make these transcripts, and had to content myself with very brief account, indeed, of them."<sup>1</sup> In another part of the same report Mr. D. R. Bhandarkar published short summaries of the contents of these inscriptions. I visited Cutch in April 1919 and had the good fortune to transcribe all the records from the originals. Though they are in varying stages of imperfect preservation, I found that, with the exception of one, they yielded tolerably good impressions, which are reproduced with this article.

In all there are **six** stone inscriptions in the Fergusson Museum at Bhuj, of which five are records of the second dynasty of the Satraps of Saurāshtra, i.e. of the family of Chāshṭana, and the remaining one a fragment of an inscription of the fifth and sixth century A.D. Four of the inscriptions belong to the reign of Rudradāman and were incised in the year 52 of the era used in the inscriptions and coins of the Satraps of Saurāshtra, while the fifth belongs to the reign of the Mahā-Kshatrapa Rudrasimha I, and was incised in the year 114 of the same era. The fifth inscription of the time of Rudradāman, mentioned by Mr. Bhandarkar in the last lines of paragraph 15, Part II (b), of his Annual Report for the year 1914-15, appears to be still *in situ*.

The inscriptions of the time of Rudradāman of the year 52 which are here edited are those which were brought to Bhuj from Andhau by the late Ranchhodbhāi Udairām, formerly Dewān of Cutch. These inscriptions repose on a number of wooden platforms and have been placed under the grand staircase of the Fergusson Museum at Bhuj. Mr. Bhandarkar has recently referred to them in a note on his article on "Deccan of the Sātavāhana period."

Andhau, or Audhou, is a very small village close to Khevda, or Pachham, in the Cutch State. It is situated in Lat. 23° 46' 10", Long. 69° 53' 55". The site where the records were discovered is described by Mr. Bhandarkar as a hillock. Mr. K. N. Dikshit of the Archaeological Survey is the only trained archæologist who seems to have visited the site; but no notes or description have been published by him as yet.

The records are incised on long narrow slabs of stone, and in the majority of cases the inscriptions are incised lengthwise. The material is hard stone, which has suffered very much from corrosion with a singular effect. In certain cases the bottoms of incisions made by the mason while chiselling the record remain intact on the stone, whereas the sides of the incision and the surrounding uninscribed portions of the stone have disappeared. The effect produced by this action is to make one believe at first sight that some letters of one record were cut in relief, while the rest were incised. The inscribed surfaces of the stones are uneven, and it is apparent that the mason did not take the trouble to make them smooth before incising the letters.

All four inscriptions refer themselves to the reign of the king (*Rājan*) Rudradāman, son of Jayadāman. His name is immediately preceded by that of his grandfather Chāshṭana, son of Ysamotika; but no term indicating the relationship between Rudradāman and Chāshṭana is employed in any of the four records. All the records were incised on the same date, i.e. the year 52, the second day of the dark half of Phaguṇa (*Phālguna*). In three out of the four inscriptions the year of the date is expressed both in words and in figures, while in the fourth it is given in figures only. The day of the month is in all four expressed both in words and in figures consisting of two symbols. The first symbol<sup>2</sup> has been read by Prof. Lüders as 15. So far the symbol for 15 has not been met with in published inscriptions or MSS. of this period; but Dr. Lüders may have found it in one of the Khotan MSS. The symbol consists of the *akshara* *va*, from the upper part of which a horizontal straight line is produced towards the right for a short distance. From the right extremity of this another straight line, vertical and longer than *va*, is produced downwards. This symbol looks very much like the proto-Nāgarī consonant *ga*.

<sup>1</sup> *Ibid*, 1914-15, p. 8.

<sup>2</sup> Prof. D. R. Bhandarkar of the University of Calcutta has accepted Dr. Lüders' reading of this symbol in a foot-note to his article on the "Sātavāhana period"; *I. A.*, Vol. XLVII, p. 154, n. 26.

- 62 करोतु<sup>1</sup> भुवने तत्तद्दिगोष्मायता<sup>2</sup> ।।[१२५\*] इत्वा मंत्रपुरश्चरं<sup>3</sup> (रिपुरःसर)  
 63 रिपुययोलाजाग्रतापानले (1) संप्रापेय<sup>4</sup> पदानि सप्त भुवनेन्द्रो-  
 64 ष्य मेरु[प]लं । प्रीतः कीर्तिमयो<sup>5</sup> वधूं परिचयन् सत्कोतुकोष्ठासिनो  
 65 यः[\*] सिंहासनमाश्रितो विजयते मृगं<sup>6</sup> विजेन्द्राग्रिषः ।।[१२६\*] अत्रात-  
 वित्राण-  
 66 [न\*]कीर्त्तिसाम्यं सुरदमा<sup>7</sup> यस्य तु लब्धुकामाः । तटे तपस्वन्ति  
 वियत्तद्विन्धाः<sup>8</sup>  
 67 प्रवाककावायपटा जाटासाः<sup>9</sup> ।।[१२७\*] कांचीश्रीरंगप्रियाचलकनकसभा-  
 68 होवकाद्रीमसुख्येष्टावृत्तावृत्त सर्वेष्टतनुत विधिवद्वयसे त्रयसे यः ।  
 69 देवस्थानेषु तोर्धेष्टपि कनकतुलापूषवादीनि नानादानान्येवोपदा-  
 70 नैरपि सममखिलैरागमोक्तानि तानि ।।[१२८\*] वारासि<sup>10</sup>नाभोर्ध्वविशेष-  
 71 धुर्य्यक्षीरासिदुर्गेकविभाळवर्धः । पराष्टदिप्रायमनःप्रकामभयं-  
 72 करम्माङ्गधरांगरंगः ।।[१२९\*] इतरिपुरनिमेषानोकहो याचकानां हो-  
 73 सविन्दरगंडो रायराहुत्तमिंडः । महितचरितधन्वो<sup>11</sup> मकि-

Third Plate ; First Side.

- 74 यान्तासुलादिप्रकटितविन्दयोः<sup>12</sup> पाटितारातिशोकः ।।[१३०\*]  
 75 उभयदकपितामहो नतानामभयपदार्पणतत्परो रिपू-  
 76 णां । अयमवहकुरायमानमर्होत्तखिलजनैरभिधम्य<sup>13</sup>-  
 77 मानधामा ।।[१३१\*] तांडवितोदं<sup>14</sup>यो विन्दमन्वरगंडतयोहंड-  
 78 वलीत्तकेंद्रजयपंडितवीरयुतः । चंडिमशालिवाहुवल-  
 79 दंडितवैरि[गयो\*] गंडरगूळिमन्थपूळि<sup>15</sup>मान्यमहीनि[र\*]दः ।।[१३२\*] सार-  
 80 वीररमया ससुक्तसंभारवीटिपुरहारनायकः<sup>16</sup> । कु<sup>17</sup>डलीश-  
 81 रमहाभुजः[\*] अयं<sup>18</sup>मंडलीकधरणीवराहतां [॥३३\*] <sup>19</sup>वेगविभुवनीम-  
 82 ल संख्यचितिकलार्जुनः । उरिगोलसुरबाहो हरिगोचरमा-  
 83 नसः । रात्रां वरो रणमुखरामभद्र इति मृ<sup>20</sup>तः ।।[१३४\*] वरिंतविन्दो  
 84 ना[ना\*]वर्षयोमंडलीकगंड इति । आचेयगोळजानामयसरो मूभ-

<sup>1</sup> Read ति.

<sup>4</sup> Read यो.

<sup>7</sup> Read हुमा.

<sup>10</sup> Read जि.

<sup>12</sup> Read 'संसासुलादि'. [The Mārēdapalli grant has मन्त्रियाद्यासुलादि as here.—H. K. S.]

<sup>13</sup> Read 'रभिधीयमान'.

<sup>15</sup> Read मन्थपूळि, as in the Mārēdapalli grant.

<sup>17</sup> Read कुं.

<sup>19</sup> Read वेग<sup>o</sup> or वेगो<sup>o</sup> and 'मन्त्र'. This verse is composed of three half-verses in the Anuṣṭup metre.

<sup>20</sup> Read मृ.

<sup>2</sup> Read लु.

<sup>5</sup> Read मृद्वन्.

<sup>8</sup> Read 'द्विन्धा'.

<sup>3</sup> Read 'पूष'.

<sup>6</sup> Read मृ.

<sup>9</sup> Read जटासाः.

<sup>11</sup> Read 'धन्वो'.

<sup>14</sup> Read दं.

<sup>16</sup> Read 'सुवर्ण'.

<sup>18</sup> Read वं.



It is difficult to understand why the symbol for 15 should be used in this inscription, because it mentions the lunar *tithi*. I am inclined to think that the syllable represents *Bahula* and not 15. Immediately after this we have two short horizontal strokes denoting 2. The year should be referred to the Śaka era of 78 A.D., and the dates are, therefore, equal to 180 A.D.

The language of the inscriptions is Prākṛit, and the letters belong to the northern variety of the Indian alphabet of the first or second century A.D. The palæography calls for some remarks, as the alphabet shows archaisms when compared with that of the Junāgaḍh inscription of Rudradāman. With the exception of *u*, *ṛi* and *o*, no vowel occurs in its initial form. *U* in *uthāpita* occurs in all the records in the last line. *Ṛi* occurs twice, once in inscription B in the word *Ṛishabhadēvasa* (l. 5) and once again in inscription D in the same word (l. 3). The initial form of *o* is to be found in A, B and D in the word *Opaśati*. The medial forms of vowels do not call for remarks with the exception of *u* in *ga* in *Phaguna* which is certainly earlier than the forms in the Junāgaḍh inscription of Rudradāman; cf. Bühler's *Indische Palæographie*, Table II. 9. VI. The rare medial *ṣ* occurs in *Sthamita* (C, l. 2), *Sihila* (A, l. 3; B, l. 6; and C, l. 3) and in *°vīrāye* (A, l. 2). Among consonants *ka* does not show any curvature in its lowest extremity, except once in *Ysāmotika* (B, l. 1); *ja* shows two different forms, (1) with a curved back and (2) with a straight back. *Na* occurs in conjunction with *ja* in *rājñō*. *Ta* also is found only once, in *kuḷubiniye* (C, l. 3). It occurs conjointly with *sha* in *Chāshṭana* (ABCD, l. 1), *lashṭi* (A, l. 3; B, l. 8; C, l. 3; D, l. 4), *Jeshṭavirāye* (A, l. 2) and *Treshṭa* (C, ll. 3-4). The lingual *na* shows the archaic form where no curvature is noticeable in either the top or bottom horizontal lines; cf. *Phaguna* (A, l. 2; B, l. 4; C, l. 2), *sāmaṇeriye* (C, l. 2), *śrāmaṇereṇa* (D, l. 4). In the majority of cases the base line of *na* is curved, the exceptions being *na* in *Madanena* (C, l. 3) and the cases in inscription D. In the majority of cases *ba* is a perfect square with straight sides, the only exception being the form in *kuḷubiniye* (C, l. 3). *Ya* presents a number of varieties:—(1) the archaic type, in which the right and left vertical lines show no signs of curvature, but have acute angles on one side of their bases, cf. *Ysā* (A, l. 1); (2) the transition type, which shows slight signs of curvature, as in *Jayadāma* (A, l. 1); and (3) the early Kushan type, where the base line is curved, as in *Jayadāma* (C, l. 1). Both *la* and *ha* show angles on their line at the point of its junction with the horizontal parts. The right vertical limb of *la* is higher in comparison with the left limb of *ha*. Three different forms of the palatal *ṣ* are to be found in the records:—(1) the broad-backed type, which is usually to be found in the records of Ushabhadāta, in which the central pendant drops from the left half and slants to the right; cf. *Opaśati* (A, l. 3), *pañchāṣe* (B, ll. 3-4); (2) the more archaic form is to be found in inscription D, where it is used in all cases; in this form also the letter is broad-backed, but the pendant drops vertically from the middle of the curve; cf. *Opaśati* (l. 3), *śrāmaṇereṇa* (l. 4); (3) the northern form, in which the back consists of two different curves which meet in an acute angle; cf. *Senika* and *sāmaṇeriye* (C, l. 2). This is exactly the form in the Mathura inscription of the year 72 of the reign of Śoḍāsa.<sup>1</sup>

The object of all four inscriptions is to record the erection of funeral monuments by the relatives of the deceased. In the inscriptions themselves these monuments are termed *lashṭis* (Pkt. *laṭṭhi*, lit. 'a stick'). Inscription A records the erection of such a monument (*lashṭi*) by Madana, son of Sihila (Simhila), to the memory of his sister Jeshṭavirā (Jyeshṭhavirā), the daughter of Simhila of the Opaśati (Aupaśatika) *gōtra*, in the year 52, on the second day of the dark half of Phaguna (Phālguna), during the reign of the king (*Rājan*) Rudradāman, son of Jayadāman, (who was the grandson) of Chāshṭana, son of Ysāmotika. Inscription B records the erection of a funeral monument to the memory of Ṛishabhadēva, son of Simhila of the Opaśati (Aupaśatika) *gōtra*, by his brother Madana, son of Simhila, on the same year, month and day. Inscription

<sup>1</sup> *Ante*, Vol. II, p. 109, No. II.

i.

*ii a.*

2  
 4  
 6  
 8  
 10  
 12  
 14  
 16  
 18  
 20  
 22  
 24

2	26	2	28	2	30	2	32	2	34	2	36	2	38	2	40	2	42	2	44	2	46	2	48
4	28	4	30	4	32	4	34	4	36	4	38	4	40	4	42	4	44	4	46	4	48	4	50
6	30	6	32	6	34	6	36	6	38	6	40	6	42	6	44	6	46	6	48	6	50	6	52
8	32	8	34	8	36	8	38	8	40	8	42	8	44	8	46	8	48	8	50	8	52	8	54
10	34	10	36	10	38	10	40	10	42	10	44	10	46	10	48	10	50	10	52	10	54	10	56
12	36	12	38	12	40	12	42	12	44	12	46	12	48	12	50	12	52	12	54	12	56	12	58
14	38	14	40	14	42	14	44	14	46	14	48	14	50	14	52	14	54	14	56	14	58	14	60
16	40	16	42	16	44	16	46	16	48	16	50	16	52	16	54	16	56	16	58	16	60	16	62
18	42	18	44	18	46	18	48	18	50	18	52	18	54	18	56	18	58	18	60	18	62	18	64
20	44	20	46	20	48	20	50	20	52	20	54	20	56	20	58	20	60	20	62	20	64	20	66
22	46	22	48	22	50	22	52	22	54	22	56	22	58	22	60	22	62	22	64	22	66	22	68
24	48	24	50	24	52	24	54	24	56	24	58	24	60	24	62	24	64	24	66	24	68	24	70

ii b.

121 a.

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 52  
 54  
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 62  
 64  
 66  
 68  
 70  
 72

74	ॐ नमो भगवते वासुदेवाय ॥ १ ॥	74
50	ॐ नमो भगवते वासुदेवाय ॥ २ ॥	76
52	ॐ नमो भगवते वासुदेवाय ॥ ३ ॥	78
54	ॐ नमो भगवते वासुदेवाय ॥ ४ ॥	80
56	ॐ नमो भगवते वासुदेवाय ॥ ५ ॥	82
58	ॐ नमो भगवते वासुदेवाय ॥ ६ ॥	84
60	ॐ नमो भगवते वासुदेवाय ॥ ७ ॥	86
62	ॐ नमो भगवते वासुदेवाय ॥ ८ ॥	88
64	ॐ नमो भगवते वासुदेवाय ॥ ९ ॥	90
66	ॐ नमो भगवते वासुदेवाय ॥ १० ॥	92
68	ॐ नमो भगवते वासुदेवाय ॥ ११ ॥	94
70	ॐ नमो भगवते वासुदेवाय ॥ १२ ॥	96
72	ॐ नमो भगवते वासुदेवाय ॥ १३ ॥	98

C records the erection of a funeral monument by Madana, son of Sihhila, to the memory of his wife Yaśadattā (Yaśōdattā), a novice (*śrāmaṇērī*), the daughter of Sihamita (Sihamitra), of the Śenika (Śrēnika) *gōtra*, on the same day. Thus inscriptions A, B, and C record the erection of monuments by one Madana, son of Sihhila, to the memory of his brother Rishabhadēva, his sister Jeshtavirā and his wife Yaśōdattā. The fourth inscription records the erection of a funeral monument to the memory of Rishabhadēva, son of Treshṭadata (Trisṭadatta), by his father Treshṭadata, a male novice (*śrāmaṇera*), of the Opaśati (Aupaśatika) *gōtra*, on the same date as that mentioned in inscriptions A, B, and C. Prof. D. R. Bhandarkar is certainly wrong in stating that this inscription "is a memorial stone of Rishabhadēva, of the Opaśati *gōtra* and son of Treshṭadata, erected by Madana his brother."<sup>1</sup> It is a memorial stone of one Rishabhadēva, son of Treshṭadata, of the Opaśati *gōtra*; but there is no mention of a brother named Madana. It is evident that the learned Professor failed to read the last line of inscription D. He appears to have read *Śrī-Madanena* instead of *śrāmaṇerena*, which is very clear on the stone itself and distinct in impression. It is not very easy to understand how Prof. Bhandarkar reconciles the words *pitṛ[ā] Treshṭadatenā*, which occur at the beginning of the sentence, with the word immediately following them, if he read *Śrī-Madanena*. Prof. D. R. Bhandarkar's inability to decipher this word has led him to make some unnecessary conjectures regarding the personages mentioned in inscription D. He states, "this is rather puzzling, because the *gotra* Opaśati and the name Madana point to this Rishabhadēva being the same as that of the first inscription, Treshṭadata being in that case presumed to be the other name of their father Sihhila; but it is inconceivable that two stelæ were put up or can be put up in memory of one and the same individual."<sup>2</sup> His remarks induced me to examine inscriptions B and D very carefully; but I am now sure that his difficulties were caused by his own inability to read the last line of the record. The fourth inscription does not mention Madana as the brother of Rishabhadēva: therefore this Rishabhadēva cannot be the same person as that mentioned in inscription B. In fact, inscription D records the erection of a funeral monument to another Rishabhadēva, son of Treshṭadata, who was a different person from Sihhila, the father of Rishabhadēva mentioned in inscription B. The stele was raised by Treshṭadata, the father of the deceased, who was a Buddhist monk (*śrāmaṇera*).

The mention of Chāshṭana, son of Ysāmotika, immediately before the name of his grandson Rudradāman, son of Jayadāman, in these four records, without any connecting link, has led scholars to make a number of conjectures. Prof. D. R. Bhandarkar states that originally he thought that the word *pauṭṭrasya* had been omitted in each and every inscription, but now he is inclined to agree with his assistant Dr. Romesh Chandra Majumdar in thinking that the omission of the word *pauṭṭrasya* or *potasa* indicates that in the year 52 Chāshṭana and Rudradāman were reigning jointly. Prof. D. R. Bhandarkar states<sup>3</sup> in a popular account of the history of Deccan named "Dekkan of the Śātavāhana period" that "Mr. R. C. Majumdar of the Calcutta University has kindly offered the suggestion that the date had better be ascribed to the conjoint reign of Chāshṭana and Rudradāman."<sup>4</sup> Apart from the possibility of such an event in India, nobody having ever thought or tried to prove conjoint reigns of two monarchs except Messrs. Bhandarkar, there is sufficient evidence in the Andhau inscriptions themselves to prove that the author of the record was quite ignorant as to the exact relationship between Chāshṭana and Rudradāman. It is very well known that, though Rudradāman was an independent monarch, he never used the title *Rājan* alone. This is true of all princes of this dynasty and of that of *Svāmin* Jivadāman. There is not a single coin or inscription of this dynasty in which the title *Rājan* is used by itself and not

<sup>1</sup> *Annual Progress Report of the Archaeological Survey of India, Western Circle, 1914-15*, p. 67.

<sup>2</sup> *Ibid.*

<sup>3</sup> *Indian Antiquary*, Vol. XLVII, 1918, p. 154, note 26.

<sup>4</sup> *Ibid.*



in combination with the titles *Mahā-Kshatrapa* or *Kshatrapa*. In fact the Andhau inscriptions are the only records known which mention Chāshtana or Rudradāman as *Rājas* and not as *Mahā-Kshatrapas*. The only possible explanation of this is that in a remote place like Andhau on the Rann of Cutch the people were not aware of the new titles of the new dynasty of rulers,—titles on which Rudradāman set great store, as is proved by the phrase *svayam-adhigata-mahā-kshatrapa-nāmnā*.<sup>1</sup> The cause of the absence of any word or phrase indicating the relationship between Chāshtana and Rudradāman now becomes clearer. It was due to the ignorance of the people of Andhau and does not indicate the joint reign of the grandfather and the grandson. It has been argued by some of my friends that the absence of any word or phrase indicating their relationship may have been due to the carelessness of the scribe in one record; but the absence of such a word or phrase in four different records is significant. After deciphering the Andhau records I find that all of them were inscribed on the same day, three of them at the instance of one person, Madana, son of Sihila, who dedicated stelæ to his elder brother, his sister and his wife, while the fourth was raised by another person of the same clan to the memory of his son. Besides this, there is a family resemblance between the letters of all four records, which proves that they must have been written by one and the same person. No wonder, the same mistake was committed in all four records. When the ruler of the dynasty of Chāshtana had become more secure in Cutch, people were better informed than Madana, son of Sihila, and his clansman Treshtadata, the *śrāmaṇera*, as in another inscription found at the same place we find the titles correctly given. This inscription records the erection of a *lashṭi* in the year 114, during the reign of the king, the *Mahā-Kshatrapa*, *Svāmin* Rudrasimha, son of the king, the *Mahā-Kshatrapa*, *Svāmin* Rudradāman, grandson of the *Kshatrapa*, *Svāmin* Jayadāman and great-grandson of the king, the *Mahā-Kshatrapa*, *Svāmin* Chāshtana.

I edit the inscriptions from the original stones and from impressions taken by myself:—

#### A.

The record consists of three lines of writing on a single slab of stone. The inscribed surface measures 4' 9" × 1' 1", and the average height of the letters is 1". The object of the inscription is to record the erection of a funeral monument (*lashṭi*) by Madana, son of Sihila, to the memory of his sister Jeshtavirā (Jyeshthavirā), the daughter of Sihila of the Opaṣati (Aupaṣatika) *gotra*.

#### TEXT.

- 1 Rāj[ño] Chāsh[ṭ]anasa<sup>2</sup> Ysāmotika-putrasa rājño Rudradāmasa Jayadāma-putrasa
- 2 Va[r]sh[e] d[vi]-pa[m]ch[āśe 50],<sup>3</sup> 2, Phaguṇa-bahulasa d[v]itiya va 2 Madanena Sihila-putrena [bha]<sup>3</sup>giniye Jeshtavirāye
- 3 [Si]hi[la-dhi]ta<sup>4</sup> Opaṣati-sā-gotrāye lashṭi uthāpita

<sup>1</sup> *Ante*, Vol. VIII, p. 44, l. 15.

<sup>2</sup> The first six syllables of the first two lines have suffered considerably from corrosion. It is not easy to explain why this part only has been damaged, while the rest has escaped. The remaining portion of the record is quite legible. As has been stated above, the bottoms of the incisions of six letters in the first and second lines are extant, the sides and the surrounding uninscribed surface having disappeared, leaving a smooth polished surface. The lower parts of *rā*, *chā*, *śhā* in l. 1 and the upper parts of *rshe*, *dvi*, and *śe* in l. 2 have also disappeared. This portion of the stone appears to have been used for sharpening tools while the rest was buried underground.

<sup>3</sup> This syllable has suffered on account of flaking.

<sup>4</sup> In l. 3, *śi* and *la* of *Sihila* and *dhi* of *dhiṭa* have partly disappeared from the same cause.

- 127 तपुरोगमे: । विविधैर्विबुधैः[\*] औतपथिकैरधिकैर्गिरा । [141\*] म-  
 128 ङाभुजस्तिरुमलमहारायो मनस्विना<sup>1</sup> । सहिरण्यपयोधा-  
 129 रापूर्वकं दत्तवाग्मुदा ॥[42\*] अष्टाविंशतिसंयुक्तशतवृत्तिसमन्वि-  
 130 ते । श्रीमदेक्षमराजेंद्रसमुद्रप्रतिनामके । [143\*] [पे]नलूराख्यसङ्गा-  
 131 मे तिमराजार्पितक्रमात् । नानाशाखाभिधागोत्रसुखाशास्त्र-  
 132 विशारदाः । वृत्तिमंतो विलिख्यते विप्रा वेदांतपारगाः । [144\*]<sup>2</sup> याशुष-

132 to 272 consist of the names of the donees given on pp. 258 ff.

*Sixth Plate ; Second Side.*

- 273 दात्वेद्वयधीमणीः<sup>3</sup> । रंग्यजुर्वेदयोवृत्ती हे विषु<sup>4</sup>हरयोस्तथा ॥[145\*]  
 274 अस्य [ये]क्षमराजसमुद्रेणामस्य<sup>5</sup> दिक्षु मर्यादाः[।] प्राच्यां कु<sup>6</sup>जर[न]दप-  
 275 क्षिमभागे षट्पञ्चः कूपश्च अ[स्ते]यां<sup>7</sup> चेक्षारद्विवनं दक्षिणस्य अस्त्वप<sup>8</sup>त-  
 276 टाकः नेरुत्यां<sup>10</sup> अपपोरयतटाकः प्रतीच्यां रामलिंगदेवालयः वायव्या<sup>11</sup>  
 277 शमीवृक्षः सु<sup>12</sup>त्तरस्यां तांतिपत्तौ<sup>13</sup> ह्रदः<sup>13</sup> अयिशान्यां<sup>14</sup> पुन्नागह्रदः<sup>13</sup> ताम-  
 278 रसह्रदश्च<sup>15</sup> ॥

*Seventh Plate.*

- 279 तदिदं नयधुर्यस्य औतिरुमलरायवर्यस्य । शासनम[ति]वल्लशा-  
 280 सनतकरदानस्य गुणनिदानस्य । [146\*] तिरुमलरायमहोपतिशा-  
 281 सनतस्त्वाग्रशासनश्लोकान् [1\*] कविशासनस्त्रयंभूस्<sup>16</sup>रसमभाणीस्त्रभा-  
 282 पतेरसु<sup>17</sup>नुः । [147\*] तिरुमलश्रीमहारायशासनाद्वोरणारमजो<sup>18</sup>[1\*][श्रीमह]णपया-  
 283 चार्थी व्यलिखत्तास्त्रशासनं । [148\*] दानपालनयोमंज्जो दानाच्छेयो-  
 284 नुपालनं । दानाद्वर्गमवाप्नोति पालनादद्युतं पदं । [149\*] स्वदत्ता-  
 285 हि<sup>19</sup>गुणं पुण्यं परदत्तानुपालनं । परदत्तापहारिण स्वदत्तं निष्क-  
 286 लं भवेत् । [150\*] स्वदत्तां परदत्तां वा यो हरति वसुंधरां । षष्टिर्वर्ष-  
 287 सहस्रा<sup>20</sup>णि विष्टायां जायते क्रिमिः । [151\*] एकैव भगिनी लोके सर्वे-  
 288 षामिव भूभुजां [1\*] न भोग्या न करग्राम्या विप्रदत्ता वसुंधरा ॥[152\*] सा-  
 289 मान्योयं धर्मसेतुं<sup>21</sup>पाणां काले काले पालनीयो भवद्भिस्स<sup>22</sup>र्वा-  
 290 नेतान् भाविनः पार्थिवेद्रान् भूयो भूयो याचते राम-  
 291 चंद्रः ॥[153\*] श्री ॥—॥  
 292 श्रीविरूपाक्ष<sup>23</sup>

<sup>1</sup> One would expect नाननीयो in place of महारायो to construe properly the word मनस्विना.

<sup>2</sup> This is composed of three half-verses in the *Anushtubh* metre.

<sup>3</sup> Read ऋ<sup>0</sup> and 'योह'ती.

<sup>4</sup> Read कु<sup>0</sup>.

<sup>5</sup> Read नेरुत्यां.

<sup>6</sup> Read 'समुद्र'.

<sup>7</sup> Read 'व्या'.

<sup>8</sup> Read 'ह्रद'.

<sup>9</sup> Read 'सु'.

<sup>10</sup> Read 'ह्रद'.

<sup>11</sup> Read 'ह्रद'.

<sup>12</sup> Read 'ह्रद'.

<sup>13</sup> Read 'ह्रद'.

<sup>14</sup> Read 'ह्रद'.

<sup>15</sup> Read 'ह्रद'.

<sup>16</sup> Read विष्.

<sup>17</sup> Read चारुनेत्यां.

<sup>18</sup> Read व्यां.

<sup>19</sup> Read ऐशान्यां.

<sup>20</sup> Read 'सु'.

<sup>21</sup> Read 'ह्रद'.

<sup>22</sup> Read 'ह्रद'.

<sup>23</sup> Read 'ह्रद'.

<sup>1</sup> Read विः.

<sup>2</sup> Read 'समुद्र'.

<sup>3</sup> Read 'व्यामह्रद'.

<sup>4</sup> Read ह्रद.

<sup>5</sup> Read 'ह्रद'.

<sup>6</sup> Read 'ह्रद'.

<sup>7</sup> Read 'ह्रद'.

<sup>8</sup> Read 'ह्रद'.

<sup>9</sup> Read 'ह्रद'.

<sup>10</sup> Read 'ह्रद'.

<sup>11</sup> Read 'ह्रद'.

<sup>12</sup> Read 'ह्रद'.

<sup>13</sup> Read 'ह्रद'.

<sup>14</sup> Read 'ह्रद'.

<sup>23</sup> These syllables are written in large Telugu-Kannada character.

## TRANSLATION.

In the year fifty-two, 50, 2; on the second day of the dark half of Phaguna (Phālguna), *va* . 2, of (the reign of) the king Rudradāman, son of Jayadāman, (the grandson) of the king Chāshṭana, son of Ysāmōtika, (this) staff (*lashṭi*) was raised by Madana, son of Sīhila (Sinhila), (in memory) of his sister Jeshtavirā (Jyēshṭhavirā), daughter of Sīhila (Sinhila), of the Opaśati (Aupaśatika) *gōtra*.

## B.

The record consists of eight lines. The inscribed surface measures 1' 8" × 1' 10", and the average length of the letters is 1½". The inscription records the erection of a funeral monument to the memory of Rishabhadēva, son of Sīhila, of the Opaśati (Aupaśatika) *gōtra*, by his brother, Madana, son of Sīhila.

## TEXT.

- 1 Rājño Ch[ā]shṭanasa Ysāmōtika-
- 2 -pu[tra]<sup>1</sup>sa rājño R[u]dradāmasa
- 3 Jayadāma<sup>2</sup>-putrasa varshe dvi-pa[m]-
- 4 [chā]<sup>3</sup>śe, 50, 2, Phaguna-bahulasa
- 5 dvitīyam va 2 Rishabhadevasa
- 6 Sīhila-putrasa Opaśati-sa-gotrāsa
- 7 bhrātṛ[ā] Madanena<sup>4</sup> [Sīhila]-putrena
- 8 lashṭi uthāpita<sup>5</sup>

## TRANSLATION.

In the year fifty-two, 50, 2; on the second day of the dark half of Phaguna (Phālguna), *va* . 2, of (the reign of) the king Rudradāman, son of Jayadāman, (who was the grandson) of the king Chāshṭana, son of Ysāmōtika, (this) staff (*lashṭi*) was raised in memory of Rishabhadēva, son of Sīhila (Sinhila), of the Opaśati (Aupaśatika) *gōtra*, by (his) brother, Madana, son of Sīhila (Sinhila).

## C.

The inscription consists of three lines. The inscribed surface measures 4' 7" × 7½", and the average length of the letters is 1". Its object is to record the erection of a funeral monument to the memory of Yaśadatā, a novice, the daughter of Sihamita, of the Śenika *gōtra*, by her husband Madana, son of Sīhila.

## TEXT.

- 1 Rājño Chāshṭanasa Ys[ā]mōtika-putrasa rājño<sup>4</sup> Rudradāmasa Jayadāma-putrasa  
varshe dvi-paṁchāśe 50, 2
- 2 Phaguna-bahulasa dvitīyam vā<sup>6</sup> 2<sup>6</sup> Yaśadatāye Sihamita-dhītā Śenika<sup>7</sup>-sa-  
gotrāṇa<sup>8</sup> sāmaṇeriye
- 3 Madanena Sīhila-putrena kuṭubiniye [lashṭi<sup>9</sup>] uthāpitā

<sup>1</sup> This letter has suffered through flaking.

<sup>2</sup> The first syllable of ll. 3-4 has suffered badly through flaking.

<sup>3</sup> The middle of ll. 7-8 has almost disappeared. This damage appears to be due to the use of 'his part of the stone for sharpening tools.

<sup>4</sup> The *ñā* in this ligature has become very faint.

<sup>5</sup> Only the left half of the symbol is legible.

<sup>6</sup> There is only one stroke after the symbol for *baṇḍa*.

<sup>7</sup> This may also be read *Śenika*.

<sup>8</sup> Read *sa-gotrāye*.

<sup>9</sup> This word has disappeared almost entirely through flaking.

## ABRIDGED TRANSLATION.

Line 1. Prostration to the blessed Gaṇādhīpati (*i.e.* Gaṇapṛti).

Verses 1-3.<sup>1</sup> Invocations to Śambhu (*i.e.* Śiva), Varāha (the Boar incarnation of Viṣṇu) and Gaṇapati.

Vv. 4-6.<sup>2</sup> The ancestors of the family, *viz.* the Moon; his son, Budha; his son, Purāravas; his son, Āyuh; his son, Nahusha; his son, Yayāti; his son, Pāru; in his family, Bharata; in his family, Śantanu; fourth from him, Vijaya (*i.e.* Arjuna); his son, Abhimanyu; his son, Parikshit; eighth from him, Nanda<sup>3</sup>; ninth from him, Chalukya; seventh from him, Rājānarēndra; tenth from him, Bijjalēndra; third from him, Vira-Hēmmāli-Rāya, the lord of Māyāpuri.

Vv. 7-21.<sup>4</sup> Fourth from him (*i.e.* Vira-Hēmmāli-Rāya) was Tāta-Pinnama; his son, Sōmi-dēva, who captured seven forts in a day; his son, Rāghava-dēvarāṭ (*i.e.* Rāghavēndra?); his son, Pinnama, the lord of Āravīḍu<sup>5</sup>; his son, Bukka, who helped Śāluva Nṛsiṃha in putting his rule on a firm basis, and married Ballāmbikā or Ballamā; his son, Rāma-Rāja (I), who captured the hill-fort of Ādavani from Sapāda after having driven away from it the chief Kāsappudaya (Kāsappa-Uḍaiyar) and took the fort of Kāmdanavōlu. His wife was Lakkāmibikā, and their son was Śrīraṅgarāja (I), who married Tirumalāmbikā; his three sons were Rāma-Rāja (II), Tirumala-Rāya (I) and Venkaṭādri.

V. 22. When the sun of whose proud valour, that dispels the darkness, *viz.* (his) enemies, has risen, his white parasol looks like the full-blown lotus (growing) in the milk-ocean of his fame; the golden knob (*kalāśa*) at its centre shines like the pericarp (of that lotus), and the pair of fly-whisks like a couple of swans in its vicinity.

V. 23. Deserting the serpent-king for the reason that he moves with crookedness, though famed for being possessed of happiness (*or* serpent's body), the tortoise (for the reason) that he takes shelter in laziness (*or* water), though brilliantly well-behaved (*or* perfectly round), the elephants of the quarters that they are dull (in walking), though they possess charity (*or* rut), and the mountains (supporting the earth) that they are cruel (*i.e.* hard), though they are high-minded (*or* lofty), the earth seeks earnestly with delight this (king), who is the sole repository of the collection of the good qualities of every one of them.

V. 24. Who, having completely weeded out the thorns (*i.e.* destroyed the enemies), having well ploughed and prepared the entire field, the earth (*i.e.* improved it by good deeds), having filled it with profuse waters of (*i.e.* poured during) his liberal gifts, and having raised thereon the collection of crops, (his) spotless fame, bears with splendour, on the field-watch-scaffold (*kāyamāna*) of his shoulder, the lady, *viz.* the goddess of victory, to guard this (field of fame).

V. 25. Who practically exhibits, on earth, the parts of the lords of the different quarters (of which he is made up) by possessing conquering capacity (the characteristic of Indra), purity (nature of fire), by adopting equal treatment of all people (the quality of Samavartin, *i.e.*

<sup>1</sup> These verses are the same as in the Hampi inscription of Kṛṣṇa-Rāya (*Epigraphia Indica*, Vol. I, pp. 361 ff.).

<sup>2</sup> These verses are the same as in the Kūṇiyūr plates of Venkaṭa II (*Epigraphia Indica*, Vol. III, p. 241).

<sup>3</sup> The Telugu work *Rāmarājīyam*, which also supplies the ancestry of the kings of the Vijayanagara dynasty, gives interesting and sometimes historically important details concerning Nanda, Chalukya and others. This militates against the supposition that these were fanciful names, poetically introduced into the genealogy with the object of establishing connection with some of the ruling families of ancient India.

<sup>4</sup> These verses are the same as in the Kūṇiyūr plates. Verses 11-21 occur also in the Mārēdapalle grant of Śrīraṅga II (*Epigraphia Indica*, Vol. XI, pp. 326 ff.).

<sup>5</sup> This is possibly identical with the village Āravēḍu in the Tādapatri tālukā of the Anantapur district.





v. b.

vi. a.

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v. b.

vi. a.

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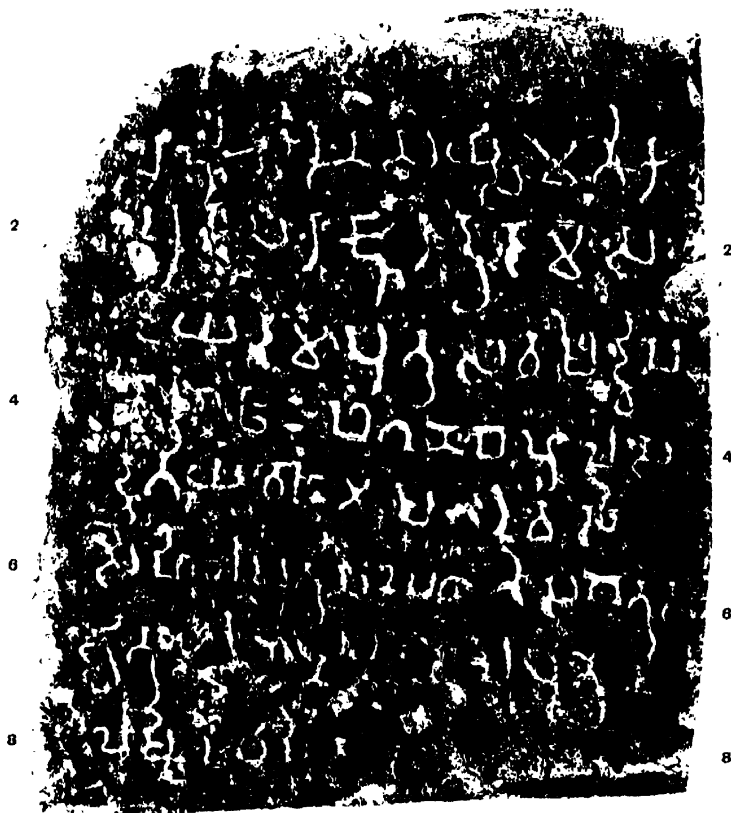
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# Ghosundi Stone Inscription.

Andhau Stone Inscription of the time  
of Rudradaman: the year 52.

B





## TRANSLATION.

In the year fifty-two, 52, on the second day of the dark half of Phaguna (Phālguna), *ra* 2, (during the reign) of the king Rudradāman, son of Jayadāman, (the grandson) of the king Chāshtana, son of Yāsāmotika, (this) staff (*lashṭi*) was raised by Madana, son of Sihila (Sinhila), (in memory) of his wife Yaśadatā (Yaśodattā), a novice nun (*śrāmaṇērī*), daughter of Sihamita (Sihamitra), of the Śenika (Śrēṇika) *gōtra*.

## D.

This inscription consists of four lines in a very imperfect state of preservation. The second halves of the first two lines have disappeared almost entirely, stray syllables being legible in places. A portion of the stone at the bottom of the inscription has also broken away, carrying away the lower part of the subscript *ra* of *śrā* and the lower half of *ra* in *re* of *śrāmaṇereṇa*. The object of the inscription is to record the erection of a funeral monument to the memory of one Rishabhadēva by his father Treshṭadata, a Buddhist monk, in the year 52. It measures 3' 5" × 1' 2".

## TEXT.

- 1 Rājño Chāshtanasa<sup>1</sup> Yāsā<sup>2</sup>motika-pu[trasa] r[ā]j[ā] [ño] Ru[dradāmasa] Jayadāma-
- 2 putra[sa] varshe 50, 2, Phagu[na]-bahulasa dvitiyaṃ va 2
- 3 Rishabhadēvasa Treshṭadata-putrasa Opaśati-gotrasa
- 4 pitr[ā] Treshṭadatena śrā<sup>3</sup>maṇ[e]rena<sup>4</sup> \*lashṭi uthā<sup>5</sup>pita

## TRANSLATION.

In the year 52, on the second day of the dark half of Phaguna (Phālguna), *va* . 2, (during the reign) of king Rudradāman, son of Jayadāman, (the grandson) of king Chāshtana, son of Yāsāmotika, (this) staff (*lashṭi*) was raised (in memory) of Rishabhadēva, son of Treshṭadata (Trishṭadatta), by his father Treshṭadata, a novice (*śrāmaṇēra*), of the Opaśati (Aupaśatika) *gōtra*.

## No. 6.—THE GHOSUNDI STONE INSCRIPTION.

BY K. P. JAYASWAL, M.A. (OXON.), BANKIPORE.

This inscription is known as the Ghosūṇḍī stone inscription. Ghosūṇḍī is a village near Nagari in the Chitorgaḍh District of Rājputānā. The classical name of Nagari is Madhyamikā. It was the seat of the republican community of the Śibis, known from their coins found in the locality.

An excellent estampage of the inscription on which the present edition is based was prepared under the direction of Mr. D. R. Bhandarkar, then Superintendent of the Archaeological Survey of India, Western Circle.

<sup>1</sup> The ā mark in Chāshtana is not horizontal as in inscriptions A and C.

<sup>2</sup> A similar ā mark is used in Yaś.

<sup>3</sup> The ā mark is horizontal in śrā.

<sup>4</sup> The presence of a base line in the 10th syllable in l. 4 proves conclusively that syllables 8-12 of this line represent *śrāmaṇereṇa* and not *Śrī-Madanena*, as read by Prof. D. R. Bhandarkar.

<sup>5</sup> A similar ā mark is to be found in thā.

the God of death<sup>1</sup>) and conduct pleasing to righteous people (like that of Nirṛiti pleasing to the *punya-janas*, demons), reputed as a broad-minded one (or *Prachētas*, i.e. *Varuṇa*), having acquired the art of making gifts (or 'of touching and wandering,' as the god of wind), being the lord of wealth (or *Dhanapati*, i.e. *Kubēra*), and distinguished by the quality of the Omniscient (or *Sarvajña*, i.e. *Śiva*).<sup>2</sup>

V. 26. Who having sacrificed in the fire of (his) valour the fried grain (*lāja*) of (his) enemies' reputation, in accordance with the incantations of counsel, marries with pleasure the bride (of) Fame, who increases the pleasure of the good (or is brilliant with her marriage wrist-band), taking her through the seven steps (*sapta-pada*) of the seven worlds and helping her to ascend the stone of the *Mēru* (mountain), and victoriously occupies the throne, receiving the blessings of holy Brahmins.<sup>3</sup>

V. 27. Desiring to achieve equality with whose fame of (making) perpetual charities the celestial trees are performing penance on the bank of the river of the heaven<sup>4</sup> (i.e. the Ganges), having assumed the ochre robe (of their red) tendrils, and the plaited hair (of their) hanging roots.

V. 28. [This is the same as verse 24 in the Hampi inscription of *Kṛishṇa-Rāya*, except that श्रीलक्ष्मीपति<sup>o</sup> and श्रीलक्ष्मी<sup>o</sup> of the latter are replaced in our inscription by श्रीरंगश्रीपति and वैकुण्ठश्री<sup>o</sup>.]

V. 29. [This is the same as verse 34 of the *Kūniyūr* plates of *Veṅkaṭa II* and verse 35 of the *Mārōdapalle* grant of *Raṅga II*.<sup>5</sup>]

V. 30. (The) destroyer of (his) enemies, a (very) celestial tree to supplicants, the chastizer of chiefs who take new titles (*hosa-birudara-gaṇḍa*), the excellent cavalier of kings (*rāya-rāhutta-miṇḍa*), happy in (his) honoured deeds (*mahita-charita-dhanya*), whose wealth of titles consists of *Manniyam-sāmul*, etc., and who has destroyed (his) enemies.

V. 31. The grandfather of the two (opposing) armies (*ubhaya-dala-pitāmaha*),<sup>6</sup> one that is (ever) ready in giving protection to surrendering enemies and whose glory is praised by all people, in the words: 'this is the crusher of the prestige of *Avahaḷu-Rāya*.'<sup>7</sup>

V. 32. Whose prosperity dances (in mirth), who, being the lord of title-bearing chiefs, possesses a powerful army and is surrounded by heroes expert in the conquest of the king of *Utkala* (i.e. *Orissa*), who is fierce (in battle), who chastizes the hosts of enemies with the strength of (his) arm, and who is possessed of lofty and respectable titles like *gaṇḍara-gūḷi* and *manya-puli*,<sup>8</sup>

<sup>1</sup> Yama, as the god of death, is known as *Sama-vartin*, i.e. one who treats all beings alike.

<sup>2</sup> The idea seems to be based upon the saying:

अटामिच सुरेन्द्राणां नाशमिर्निर्मितो नृपः।

<sup>3</sup> The reference is to a ceremony observed in Brahmanical marriages. In this the bride is led by the bridegroom by the hand round the sacrificial fire, treading seven steps, and finally her right big toe is placed by him upon a stone which is called *Mēru*. The poet here draws a comparison between the king's heroic career and glorious coronation on the one hand and the scene of a marriage performed according to Vedic rites, where *lāja-hōma*, *sapta-padi*, etc., are important ceremonies.

<sup>4</sup> The Ganges is called *Tripatha-gā* for the reason that she flows in the Heaven, on the earth, and in the nether regions.

<sup>5</sup> *Epigraphia Indica*, Vol. XI, p. 333.

<sup>6</sup> The exact import of this title is not apparent. [Possibly it refers to the position of *Vyāsa* in relation to the *Kauravas* and *Pāṇḍavas* in the *Mahābhārata* war.—F. W. T.] Elsewhere *pitāmaha* occurs in the title '*Andhra-kavittā-pitāmaha*' (i.e. the *Brahma* or *Creator* of the *Andhra* poetry), borne by the great poet *Allasāni Peddanna* of *Kṛishṇa-dēva-Rāya*'s court.

<sup>7</sup> This expression must be taken to signify 'the lord of *Avahaḷu*'. *Avahaḷu-Rāya* is not known to be a proper name. *Avahaḷu* is perhaps the modern 'Aihole'.

<sup>8</sup> These titles denote comparison with the proud breeding-bull (*gūḷi*) and the tiger (*puli*), as in classical Sanskrit poetry, which compares heroes to the *vrishabha* (bull) and the *vyāghra* (tiger).

which serves to distinguish it from the many other towns and villages of the same name. It is situate in lat.  $15^{\circ} 19\frac{1}{4}'$  and long.  $75^{\circ} 51'$ , three miles NE. from Danbal. Our inscription, of which a transcript is given in Vol. I, fol. 20a of the Elliot Collection (R. As. Soc. copy), was found on a slab at the temple of Īśvara; I edit it from an ink-impression prepared for the late Dr. Fleet, which is now in the British Museum. The stone is rectangular, and in its upper compartment has some sculptures, viz. in the centre a *liṅga* on a stand, to the proper right a squatting figure facing full front, and to the left a cow with suckling calf facing the *liṅga*. Underneath this is the inscribed area, about 4 ft. 4 in. in height and 1 ft.  $8\frac{1}{2}$  in. in width.—The character is Kanarese, a good bold well-rounded type, rather archaic in style. The *th* on l. 34, as sometimes in other records, is indistinguishable from *r*. The height of the letters in ll. 1-4 is about  $\frac{1}{2}$  in., and elsewhere from  $\frac{1}{2}$  in. to  $\frac{3}{4}$  in.—The language, except in the three formal Sanskrit verses at the end (ll. 42-46), is Old Kanarese. The *ḷ* is preserved. *Noḷambādhiraḷa* (l. 3; but *Noḷambādhiraḷam* and *Noḷambavāḍi*, l. 11), *Keṃgaḷi* (l. 12), *aḷip-illad-ātam* (l. 20), *ild-* (l. 30), *aḷidam-* and *aḷida* (l. 41). The words *marmmaḷ* (l. 1), *ghaḷiga* (l. 19), and *kamhi-vadda* (ll. 28, 29) are of lexical interest.

The record opens with a verse (ll. 1-4) in praise of Iriva-Noḷambādhiraḷa, announcing that he was married to a lady who was a granddaughter of Taila (Āhavamella Nūрмаḍi-Taila II), a daughter of Satyāśraya (Akalaṅka-charita Irivabedaṅga-Satyāśraya), and *tamge* (literally, “younger sister,” but really “paternal cousin”) to Vikramāditya [V Tribhuvana-malla]. On these and other facts connected with the inscription see *Dyn. Kanar. Distr.*, pp. 332, 434, and 558.<sup>1</sup> It then refers itself to the reign of Tribhuvanamalla (Vikramāditya V), and introduces as his feudatory the above-mentioned Iriva-Noḷambādhiraḷa, a scion of the Pallava family, bearing among other titles that of “lord of Kāmoḷi best of cities,” who at the time was ruling over the Noḷambavāḍi Thirty-two Thousand, the Keṃgaḷi Five-hundred, the Ballakunde Three-hundred, the Kukkanūr Thirty, and five towns in the Māsiyavāḍi *nāḍu* (ll. 5-14). The next section (ll. 14-24) introduces with all his titles a high officer of the latter, the Brāhmaṇ general Veṇṇeya-Bhaṭṭa, son of Diṇḍa-Paṇḍita; and then, after the date (ll. 24-26), we learn that this person, having received certain lands from the representatives of Ālūr, presented them as an endowment to Amarāchārya, of the Guhāya Maṭha in Sirivura, for the benefit of his monastery (ll. 26-38). The writer of the edict was Maruḷōja (l. 46).

The date<sup>2</sup> is given on ll. 24-26 as: Śaka 933 lapsed, the cyclic year Sādhāraṇa; the full-moon day of Vaiśākha; a Sunday. This is slightly irregular. Sādhāraṇa was Śaka 933 *current*; and the given *tithi* corresponded to Monday, 1 May, A.D. 1010, when it ended 2 h. 3 m. after mean sunrise (for Ujjain).

The places mentioned are Kāmoḷi, i.e. Conjeevaram (l. 10), the Noḷambavāḍi Thirty-two Thousand, in the region of Bellary (l. 11), the Keṃgaḷi Five-hundred (l. 12), the Ballakunde Three-hundred (l. 12), the Kukkanūr Thirty (l. 12), the Māsiyavāḍi *nāḍu* (l. 13), the Male or Highlands of the Western Ghats (l. 20), the Sapta-grāma, or “seven towns” (l. 21), Mālad-Ālūr (ll. 26, 30: *vide supra*), Sirivura (ll. 27, 34), and Itṭage (l. 27). On Ballakunde see above, Vol. XIV, p. 267; on Itṭage, above, Vol. XIII, p. 36; on Kukkanūr, *ibid.*, p. 40; on Māsiyavāḍi, *Dyn. Kanar. Distr.*, p. 465, and above, Vol. XV, p. 78. Sirivura is now Sirūr, in lat.  $15^{\circ} 21'$  and long.  $75^{\circ} 49\frac{1}{4}'$ , about 3 miles NNE. from Ālūr.

#### TEXT.<sup>3</sup>

[Metres: v. 1, *Mattābhavikriḍita*; vv. 2-4, *Anuṣṭubh*.]

1 Mann-mārgg-āgrani chakravartti-tīlakam Tailaṅge marmmaḷ poḍarppina  
Satyāśra-

<sup>1</sup> Much information as to the earlier Noḷambas will be found above, Vol. X, pp. 54 ff.

<sup>2</sup> I have to thank Mr. R. Sewell for his kindness in verifying my calculations.

<sup>3</sup> From the ink-impression.

V. 33. The charming lord of the town of Āravīḍu,<sup>1</sup> shining with the goddess of heroism and assuming the position of the Boar in raising the earth of the feudatory chiefs (*dharanī-varāha*), and having shoulders as huge as the lord of serpents.

V. 34. Vēṅgi-Tribhuvanimalla,<sup>2</sup> a (very) Arjuna in the art of (fighting on) the battle-field, the Sultan (*Suratrāṇa*) of Uṇigōla (*i.e.* Orugallu),<sup>3</sup> who sees Hari (in his) heart, the best of kings famed as a (very) Rāmabhadra (*i.e.* Rāma) in the front of the battle, who possesses the title 'the lord of the illustrious chiefs of several classes.'

V. 35. The foremost of those born in the Ātrēya *gōtra*, of great fame among kings and possessing a cavalry of horses bearing high titles (*ati-biruda-turaga-dhaṭṭa*), who is high-minded and holds a position respected by the Āraṭṭa and the Magadha (kings).

V. 36. Possessed of the righteous conduct of the Enemy of Śalya (*i.e.* Yudhisṭhira), the lord of Kalyānapura, an expert in (all) arts, the Chālikka (*i.e.* Chālukya) emperor, glorious in (his) lofty crown of gems,

Vv. 37-40. Who possesses the glory (conveyed by) the epithet '*ś-biruda-rāya-rāhuta-vēṣṭy-aika-bhujāṅga*,'<sup>4</sup> whose fame is rendered more magnificent by the proclamation of the title *Oḍḍiya-rāya-dīśa-paṭṭa*,<sup>5</sup> who is a lord comparable to the moon, who has surpassed even Him of the odd number of arrows<sup>6</sup> (*i.e.* Manmatha, the God of Love) by his pleasing form, who is the chastizer of the kings that fail to keep their word (of allegiance), under whose protection the nine divisions of the earth feel happy, who is the glorious suzerain of kings (*rājādhirāja*), the illustrious Paramēśvara among kings (*rāja-paramēśvara*), is entitled the 'lord of the three kings (*mūru-rāyara-gaṇḍa*),'<sup>7</sup> one whose great fame strides across (even) the Mēru (mountain), who turns away his face from the wives of others, who is a terror to hostile kings, one given to supporting the good, the destroyer of the tigers, *viz.* the wicked (*men*), (the monster-bird) *gaṇḍa-bhērunda* to the elephants, *viz.* (his) enemies, and the repository of the nectar of devotion to Hari,

Vv. 41-42. Who is constantly praised with titles such as these by crowds of bards (*vandī*) that proclaim with clasped hands 'Be victorious,' 'Live (long),' and whose praise is loudly sung by the kings of Kāmb(h)ōja, Bhoja, Kāliṅga, Karahāṭa, etc., who have assumed the position of door-keepers to him,

V. 43. The thus excellent and glorious Tirumala-Mahārāja (I), of good qualities, praised by the Brāhmaṇas, being seated on (his) throne, rules the kingdom extending from the Sētu (*i.e.* Rāmēśvaram) to the Sumēru, and from the hill of sunrise in the east to the (other) end of the western mountain (*in the west*), eclipsing in fame and righteousness even (kings like) Nṛiga, Nala, Nahusha and such others on earth, and drawing (unto himself) the minds of all (his subjects).

Vv. 44-62. In the Śaka year, counted by Rāmas (3), planets (9), oceans (4) and moon (1)—(*i.e.* 1493)—in the (cyclic) year called Prajāpati, in the month known as Māgha, in the bright fortnight, on the great and auspicious tithi of Dvādāsī, in the presence of the glorious god Rāmachandra, the treasure-house of all prosperity, complying with the request of the illustrious Tirumala-Rāja, of matchless beauty and of reputed prowess, the grandson of

<sup>1</sup> The word *nāyaka* also means the chief pendant of a necklace.

<sup>2</sup> This title appears elsewhere in earlier times. See Nos. 254 and 507 of the Madras Epigraphical Collection for 1906.

<sup>3</sup> This is now called Warangal.

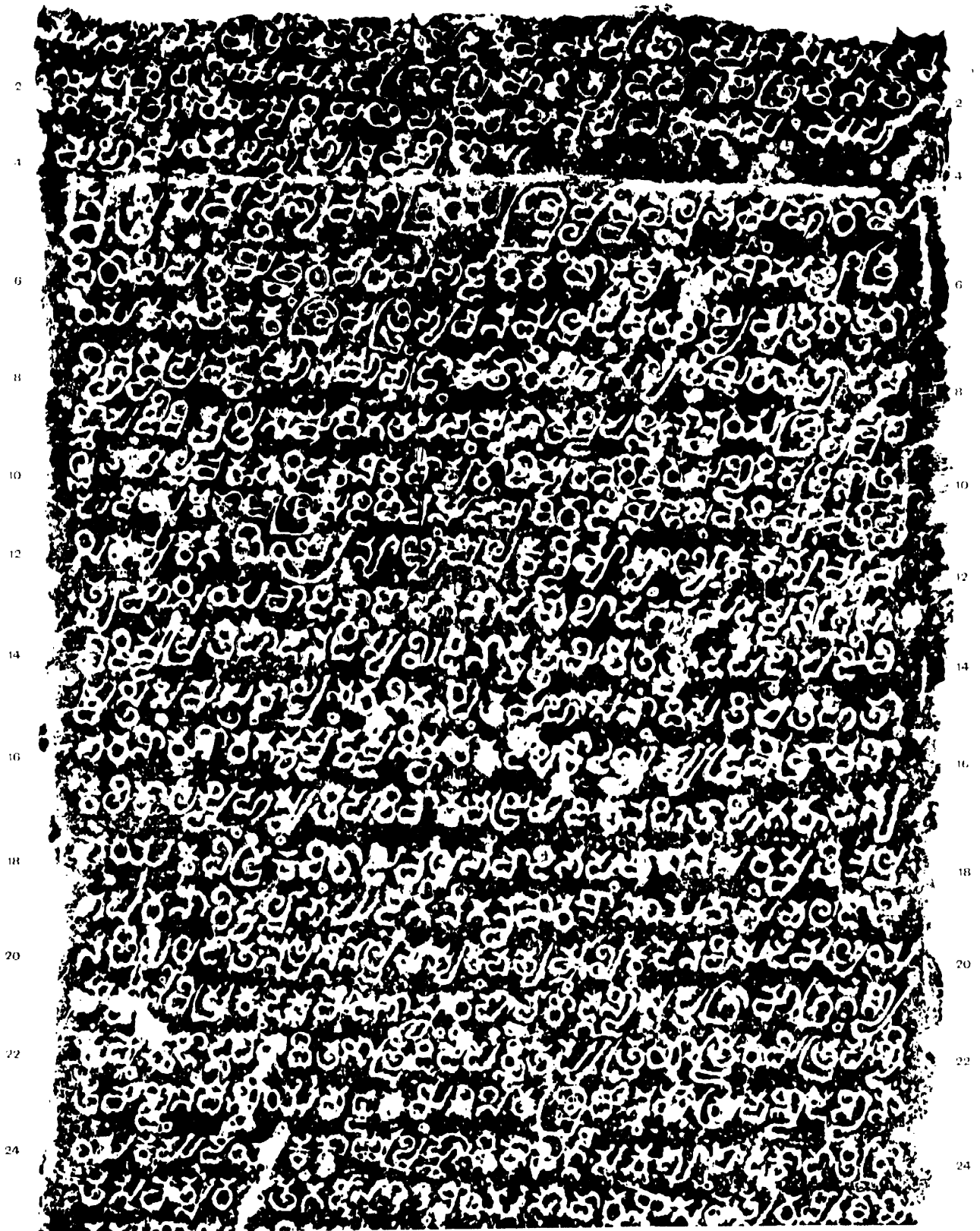
<sup>4</sup> The sole paramour of the prostitutes of kings, the cavaliers of any (sort of) title.

<sup>5</sup> Causing (his enemy) the Oḍḍiya (*i.e.* Oḍhra) king to fly in all directions. In the next attribute [*gaṇḍa* may also mean 'the cheek'.—H. K. S.]

<sup>6</sup> *Kāṇḍa* in the sense of 'an arrow,' is found in the *Nānārtha-ratnamālā*; see Kittel's *Kannada-English Dictionary*.

<sup>7</sup> The three kings, so far as the South is concerned, are generally supposed to be the Chēra, Chōla and Pāṇḍya. The Aśva-pati, Nara-pati and the Gaja-pati kings may also be meant.





king Kōna, of the Maṭṭa (race), the son of the great king Yellama, respected by (his) younger brothers, (*viz.*) princes Varada, China-Timma and Ananta, the moon in the nēctar ocean of the Solar race, of pure birth, of the glorious Kāśyapa *gōtra*, an ocean of praiseworthy qualities, who scorches hostile kings with the fire of his valour, and fills all directions (*of the earth*) with the camphor, *viz.* volumes of (his) pure fame, the foremost of the Chōḷa family and the prosperous abode of unrestrained charities—the great (king) Tirumala-Mahārāja of powerful arm; (highly) esteemed of wise kings; being surrounded by pious and loving priests (*purōhita*) and attendants and by various wise men who follow the ways laid down in the *Vēdas* (*Śruti*) and are highly educated, gave, with pleasure, with libations of gold and water, as a *sarva-mānya* to Brāhmaṇas of several *śākhās*, names, *gōtras* and *sūtras*, the rich village named Penugulūru with the two (villages called) Yalammapāḍu-Chennapalli and Koṇḍūru-Chennapalli, beautiful with gardens, bearing the happy second name of the prosperous Ellama-rājendra-samudra, supplemented by the *khaṇḍa-kshētra* obtained from the village of Kottari, and situated in Pottapi-nāḍu, (a sub-division) of the prosperous Siddhavarasīmā, lying on the eastern side of the great Bāhu river, to the south-east of Pottapi, the ornament of villages, to the south of this (*i.e.* the neighbouring) Rīri-sarōvara (tank), to the south-west of the great village Śrīvara, to the west of the village named Koṇḍūru, to the north-west of the village Indaḷu, to the north of the village called Siṅkamāla, and to the north-east of the village Tirumalarāja-pēṭa, with its boundaries on all the four sides (marked out), with its resources (*nidhi*), hidden treasures (*nikshēpa*), stone, realised (*sidha*) and realisable (*sādhya*) (income), water, together with *akshini*, *āgāmi*, and trees, to be enjoyed in community (by all the donee Brahmanas), with (its) descent-wells, draw-wells, tanks, marshes and gardens, enjoyable successively by sons, grandsons and so on, as long as the moon and the stars remain, (and) (if necessary) to be disposed of in charity, mortgage (*ādhamana*), sale, or transfer (*vinimaya*).

Vv. 63 & 64. The (names of the) Brahmanas of the several *śākhās*, names, *gōtras* and *sūtras*, who are well-versed in (all) the sciences (*śāstras*) and have mastered the *Vēdānta*, that own shares (*vr̥ttis*) in the excellent village of Penalūru (*i.e.* Penugulūru), which consists of one hundred and twenty-eight shares (*vr̥ttis*) and is otherwise called the prosperous Ellama-rājendra-samudra, are thus enumerated in the order (in which they were) given by Timma-Rāja :—

[Vv. 65-176 register the names of the recipients as given on pp. 258 to 263.]

Ll. 274-278. (These) are the boundaries in the (several) quarters of this village Yellamarāja-samudra :—In the east, a banyan tree and a draw-well (situated) on the western side of (the river) Kuñjara-nadi; on the south-east, Chennā-Redḍi-vaṇam (*i.e.* the garden of Chennā-Redḍi); on the south, the tank with the pipal tree (*Aśvattha-taṭāka*); on the south-west, the tank, Apaviraya-taṭāka; on the west, the temple of Rāmaliṅga; on the north-west, the *Samī* tree; on the north, the Tāṭiparti-pond; and on the north-east, the *Punnāgu* (*Rottleria tinctoria*) and the lotus ponds.

Vv. 177-178. This is the edict of the great and illustrious Tirumala-Rāja, distinguished for (his) prudence, the gifts from whose hands excelled (even those) of the tree of Indra (*i.e.* the celestial tree), and who was a (very) fountain of (*good*) qualities. Under the orders of king Tirumala-Rāja, Kavi-sāsana Svayambhū, the son of Sabhāpati, composed beautifully the verses of (this) copper (-plate) edict.

V. 179. By the order of the glorious Tirumala-Mahārāja the illustrious Gaṇapaya-achārya, the son of Virāṇa, engraved (this) copper (-plate) edict.

Vv. 180-184. The usual admonitory verses.

L. 291. Prosperity.

L. 292. Śrī-Virāpāksha.<sup>1</sup>

<sup>1</sup> Evidently the sign-manual of the king in Telugu-Kannada letters.



List of the Donees mentioned in the Inscription.

Line. <sup>1</sup>	Name.	Father's Name.	Family or Village Name.	Śaktā.	Gōtra.	Vṛtti.	REMARKS.
132	Chitti-Bhatta	Tripurāri-Bhatta	Piḍutalavāru	Yajus	Kausika	3½	Performed a <i>chayana</i> .
134	Ramakrishna	Mallu-Bhatta	Vēdārtha	Do.	Kāśyapa	2	An <i>adhvarin</i> and a <i>vidvān</i> .
135	Basavana	Yallu-Bhatta	Villūri	Do.	Kaundinya	1½	A <i>vijāpēyina</i> .
137	Tamma (i.e. Tammana)	Krishnārya	Uppuladāya	Do.	Śrīvatsa	2	
138	Yallam-Bhatta	Gaura-Avadhānin	Maṇḍagera	Do.	Bhāradvāja	1	
140	Upēndra-Sarasvatī	Yajñeśa-Yajvan	Shaddarsana	Do.	Do.	1	
141	Śēshādri	Lakshmana	Kaḷḷe	Do.	Kausika	1½	
143	Veṅkata-Bhatta	Sōmēndra	Peruvali	Do.	Kāśyapa	1½	
144	Tirumala	Koṇḍu-Bhat[t]a	Nivṛitti	Do.	Bhāradvāja	1	A <i>śrautia</i> .
146	Tātaya	Bhairavārya	.....	Do.	Do.	1½	
147	Sarvā-Bhatta	Pōcha-Avadhānin	Rēkulakuṇṭa	Bahvricha	Kausika	½	
148	Koṇḍu-Bhatta	Nārāyanārya	Jōya	Yajus	Bhāradvāja	1	Jōya = Skt. <i>Jyotiṣka</i> , one learned in astrology.
150	Sarva-Bhatta	Kēśavārya	Mārēpalli	Do.	Śrīvatsa	1	
151	Basava-Bhatta (i.e. Basava-Bhatta).	Dāti-Bhatta	Do.	Do.	Do.	1	
152	Koṇḍu-Bhattārya	Nṛsiṁhārya	Rēvanūri	Do.	Harita	1	
153	Kāmā-Bhatta	Lakshmiṇipati	Maṇḍagera	Do.	Bhāradvāja	1	
155	Annam-Bhatta	Bhīmā-Bhatta	Sūtra	Do.	Śrīvatsa	½	

<sup>1</sup> [The references are to the line of the text containing the beginning of the verse in which the names occur (see the Plate). The verses not being reproduced in the text, pp. 247-253 above, a citation of their numbers would have been less convenient. — F. W. T.]

- 2 ya-chakravarttiya magal śri-Vikramāditya-dēvana chakrōśana tam-  
 3 ge tann=arasiy=end-and=i Nolambādhirājana pempam kuḷaman mahā-  
 4 mahimeyam baṇṇippon=ē vaṇṇipom || [1\*]  
 5 Svasti samasta-bhuvan-āśraya Śri-Prithvi-vallabha mahārāja-  
 6 dhirājam paramēśvara paramabhaṭṭārakam Chhā(chs)luky-ābharaṇam Satyaśra-  
 7 ya-kuḷa-tiḷakam śrīmat-Tribhuvanamalla-dēvara rājyam=uttarōttar-ā-  
 8 bhividdhi-pravarddhamāna.n=ā-chaṇḍr-ūrka-tāraṁ baram saluttam-ire [1\*]  
 tat-pāda-pa-  
 9 dm-ōpajivi svasti samadhigata-paṁcha-mahā-sabda Pallav-ānvaya Śri-Prithvi-va-  
 10 llabham Pallava-kuḷa-tiḷakan-ēka-vākyam Kāmchi-puravar-ēśvaram maṇḍalika-  
 Tripētram  
 11 ghaṭey-amkakāraṁ śrīmad-Iṛiva-Nolambādhirājam Nolambavāḍi-mūvattirochchhā-  
 12 siramum Komgaḷiy-aiṇūrum Ballakunde-mūnūrum Kuk[k\*]anūr-mmūva-  
 13 ttum Māsiyavāḍi-nāḍ-olagaṇa paṁcha-bāḍaṁgalomam duṣṭa-nigraha-  
 14 viśiṣṭa-pratipālanadiṁ sukhaḍin-āḷuttam-ire [1\*] tat-pāda-padm-ōpajivi  
 15 svasti samasta-rājya-bhara-nirūpita-mahāśēnādhīpati pati-hit-ā-  
 16 charaṇam raṇa-raṁga-duṣṭam duṣṭa-niṣṭhuraṁ kuṭila-Kauṭ[i\*]ḷyam  
 kshudra-vidrāvaṇam  
 17 Kali-kāla-Bṛihaspati parivāra-vajra-paṁjaran-ahit-āhi-Garuḍan=u-  
 18 bhaya-kaviṁdraṁ kavi-rāja-vallabham vād-ibha-paṁchānanam Sarasvatī-valla-  
 19 bham para-nūri-durllabham ghaṭigana gandha-vāraṇam naya-dhāmam chalad=ōja-  
 20 n=āḷip=illad=ātam nallargge nallam chatura-Chaturmmukham kadana-viṇōdam  
 Maleya  
 21 marddanam vipra-kuḷa-kamaḷa-bhāskarām pārvvarol=gandam Sapta-grām-  
 āgragaṇyam  
 22 Kamma-kuḷ-ōdbhavam \* dhita<sup>1</sup>-gōtram Dimṇḍa-paṁḍita-putram chhātraka-mitram  
 paṇḍi-  
 23 ta-maṇḍanam Venṇeya-bhaṭṭ[ā\*]ram-enisida śrīman-mahā-prachanḍa-ḍaṇḍanā-  
 24 yakam ghaṭey-amkakāra[m] bram(bra)hm-ādhirājargge Sa(sa)ka-bhūpāla-kāḷ-  
 ātikrām-  
 25 ta-samvatsara-śatamgaḷ 933neya Sādharaṇa-samvatsara Vaiśakha-  
 26 da puṇṇame Ādityavāradaṁdu Māḷad-Ālūra baḍagaṇa poladoḷ  
 27 Sirivuradiṁd-Ittagege pōda baṭṭeya Kaṇṇa-kurimbana kalla baḍagaṇa  
 28 deseyol=Siddhēśvara-geyya mūḍaṇa kambi-vaddadoḷ=Allēśvara-geyy-a-  
 29 ḍaṇa mūḍaṇa kambi-vaddadoḷ nūru mattar-kkeyyam sarvva-bādhā-pa-  
 30 rihāram namasyav=āge Māḷad-Ālū[ra\*] irnnūrvvaruv=ilḍ-ūr-ōḍeyam Chaṭṭi-  
 31 vārayyam Venṇeya-bhaṭṭara kālam karohchi kuḍe tat-kāḷadoḷ mahā-  
 32 janad-adhyakshadoḷ Venṇeya-bhaṭṭar-ttamm-ārādhya svasti yama-niya-  
 33 m-āsana-prāpāyāma-pratyāhāra-dhāraṇā-dhyāna-samādhi-saṁpam-  
 34 nnar=appa śrīmat-Sirivurada Guhōya-maṭhada Amarāchārya-  
 35 bhaṭṭārakargge pāda-prakshālanam(na)-pūrvvakam nūru mattar-kkeyyuman  
 maṭha-  
 36 mam=ūḍisi maṭhake vidyā-dānav=āge paṁnirvvar-brāhmaṇarggam-aruva-  
 37 r=ttapōdhanarggam satrake viṭṭan-Adan-irnnūrvvaram sarvva-bādhā-parihāram kā-  
 38 d-ūḍuvar-ī dharmmavam pratipālisidaṁge Kurukshētradoḷ=sūryya-graha-  
 39 ṇadoḷ=sāyira kavileyam dēva-brāhmaṇargg-ubhayamukhi-go-  
 40 ṭṭa phaḷam Vāraṇasiyol=sāyira lingamam pratishṭhe-geyda pa(pha)lam=a-  
 41 kkav-ī dharmmavan-aḷidaṁg-inituman-aḷida paṁcha-mahā-pātakam-akkam !

<sup>1</sup> The first letter of this word looks like r. Elliot's pandit has transcribed the word as Rudita.

	Chennu-Bhatta	Timma-Bhatta	Viṣṇuvāmi	Bahvricha	Kāśyapa	†
156	Chennu-Bhatta	Timma-Bhatta	Viṣṇuvāmi	Bahvricha	Kāśyapa	1
157	Sōmā-Bhatta	Anbha	Avadhāna	Yajus	Gārgya	1
158	Viśvanātha-Bhatta	Nṛsīmhaṛya	Mēdipalli	Do.	Kauṇḍinya	1
159	Sēshādri	Peddi-Bhatta	Korāṇamaddi	Do.	Do.	1
161	Tirmalārya (i.e. malārya)	Devarē-Bhatta	Cheppalli	Do.	Harita	1
163	Appalā-Bhatta	Timma-Bhatta	Kaipa	Do.	Kauṇḍinya	1
163	Antarvēdi	Sarva-Yajvan	Kōvūri	Do.	Śrīvatsa	1
164	Nāṣyana	Narabari	Ālūri	Do.	Kāśyapa	1
165	Koṇḍu-Bhatta	Gaṅgādhara	Yivani [or Avani— H. K. S.]	Do.	Harita	1
167	Krishnaya	Nāṣarya	Mēla	Do.	Gautama	1
168	Basavā-Bhatta	Mallu-Bhatta	Mānuva	Do.	Śrīvatsa	1
169	Kumata	Bhairava	.....	Do.	Bhāradvāja	2½
170	Ror[ū]	Do.	.....	Do.	Do.	1½
171	Timmayārya	Timmaya	Raṅgasamudra	Do.	Do.	1
172	Līngam-Bhatta	Rēkam-Bhatta	Nettala	.....	Ha[ri]ta	1
174	Padmanābhārya	Timmaya	Jalipalli	Yajus	Kāśyapa	1
175	Gaṅgādhara	Do.	Nudurupādi	Do.	Andinya (i.e. Kauṇḍinya ?)	1
176	Basava-Adhvarin	Basava	Pāṅgulūri	Bahvricha	Kāmakāyana- Viśvāmītra	1
178	Sūrya	Bhāskara	Vōraṁpāṭi	Yajus	Kāśyapa	1
179	Tippe-Avadhānin	Kāmārya	Pālavāti	Bahvricha	Do.	1
180	Rāmach[ā]ndrārya	Devarājārya	Cheḷāri	Yajus	Kaṇṣika	1
181	Chennu-Bhatta	Timma-Bhattārya	Hōtūri	Do.	Vādhūla	1
183	Raḡhunāthārya	Timmayārya	Kōḍegontti	Do.	Gautama	1

A kāśādra (i.e. a great poet).

A yajvan.

A vīdva.

- 42 Svam dātum sumahach=chhakyam duḥkham=anyasya pālanam [\*] dānam vā  
pāla-  
43 nam v-āti dānāch=chhrēyō=nupālanam [||\* 2\*] Sva-dattam para-dat[t\*]am vā  
yō harēta  
44 vasumdharam [\*] shashṭim varsha-sahasrāpi viśṭhāyām jāyatō krimiḥ | (||)  
[3\*] Na viśam  
45 viśam=ity=ahur=brahma-svam viśam=uchyatō [\*] viśam=ākākinam haṁti  
brahma-svam  
46 putra-petrikam<sup>1</sup> [|| 4\*] ☉ Prāsāda-chakravartti Maruḷōjam bareḍam |  
maṅgalam ☉

## TRANSLATION.

(Verse 1.) Inasmuch as his queen was a granddaughter of **Taila**, the ornament of emperors eminent in Manu's courses, a daughter of the illustrious emperor **Satyāśraya**, (and) a younger sister of the blest emperor king **Vikramāditya**, how can a panegyrist (*worthily*) describe this **Notāmbādhirāja's** greatness and (*noble*) race and high eminence?

(Lines 5-8.) When the reign of—hail!—the asylum of the whole world, favourite of Fortune and Earth, great Emperor, supreme Lord, supreme Master, embellishment of the **Chālukyas**, ornament of **Satyāśraya's** race, king **Tribhuvanamalla**, was advancing in a course of successively increasing prosperity, (*to endure*) as long as moon, sun, and stars:—

(Lines 8-14.) While one who finds sustenance at his lotus-feet,—hail!—he who has obtained the five great musical sounds, scion of the **Pallava** lineage, favourite of Fortune and Earth, ornament of the **Pallava** race, uniform of speech, lord of **Kāñchi** best of cities, a **Triṇētra** [**Śiva**] of feudatory princes, a warrior of the host [elephant troupe.—Ed.], **Iṭṭa-Notāmbādhirāja**, was happily ruling the **Notāmbavāḍi** Thirty-two Thousand, the **Keṅgaḷi** Five-hundred, the **Ballakunde** Three-hundred, the **Kukkanūr** Thirty, and five towns within the **Māsiyavāḍi** province, so as to repress the wicked and protect the cultured,—

(Lines 14-24.) To one who finds sustenance at his lotus-feet,—hail!—the High General appointed to the whole management of the realm, doing service to his lord, grim on the stage of battle, harsh to the wicked, a **Kauṭilya** in craft [to the crafty.—Ed.], one who drives away the base, a **Bṛhaspati** of the **Kali** Age, an adamant chamber to dependents, a **Garuḍa** to the serpents his enemies, a great poet in both (*languages*),<sup>2</sup> a favourite with kings of poets, a lion to the elephants disputants, a darling of **Sarasvati**, unattainable by other men's wives, a furious elephant to warriors of the host (?), a home of polity, a master of enterprise, one who fails not (*in vow and promise*), a friend to friends, a **Brahma** of the skillful, delighting in the fray, crushing the Highlands, a sun to the lotuses the **Brāhmaṇ** race, a warrior among **Brāhmaṇas**, a leader in the **Seven Towns**, a scion of the **Kamma**<sup>3</sup> race, of the . . . *gōtra*, son of **Diṇḍa-Paṇḍita**, friend of students, ornament of scholars, the great august General **Veṇṇeya Bhaṭṭara**, a warrior of the host [elephant troupe], an emperor of the **Brāhmaṇ** order,—

(Lines 24-26.) On Sunday, the full-moon day of **Vaiśākha** of the cyclic year **Sādhārana**, the 933rd (year) in the centuries elapsed from the time of the **Śaka** king,—

(Lines 26-31.) The mayor **Chattivārīya** in concert with the Two-hundred of **Ālūr** of the Plain, washing **Veṇṇeya-Bhaṭṭa's** feet, gave as a *namasya* holding, immune from all conflicting

<sup>1</sup> Read *putrakam*.

<sup>2</sup> Sanskrit and Kanarese.

<sup>3</sup> This family may possibly be connected with the **Kamma-rāshṭra** or **Karma-rāshṭra**, on which see *I. A.*, Vol. VII, p. 187, Vol. XX, p. 103, and *E. I.*, above, Vol. VIII, pp. 234, 238. [**Kamma-Kamma** is a well-known sub-sect of **Smārta Brāhmaṇas** largely found in the **Nellore District**; **Babbūr-Kamma** is another.—Ed.]

List of the Donees mentioned in the Inscription—contd.

Line.	Name.	Father's Name.	Family or Village Name.	Sākāḥ.	Gōtra.	Vṛtti.	REMARKS.
184	Bhānu-Bhaṭṭa	Ananta.	Kōsaṅgi	Bahvricha	Kapi	1	A sectantia.
185	Purushōtama	Timmaya	Sedimba	Do.	Vikramitra	1	
186	Bhānu-Bhaṭṭa	Janārdana	Lakshminipuram	Yajus	Harita	1	
187	Narasaya	Chāvanārya	Vānivala.	Bahvricha	Mauna-Bhārgava	1	
188	Narasim-Bhaṭṭa	Basuvā-Bhaṭṭa	Poldalūri	Do.	Bhāradvāja	3	Pragalbha.
189	Dēbhaya	Brahma-Jōya	Penugol[ā]da	Do.	Vasistha	1½	
190	Lingam-Bhaṭṭa	Gōvinda	Palivundala	Do.	Mandagalya	2	
191	Kāleppa	Do.	Do.	Do.	Do.	1	
192	Chittayārya	Do.	Do.	Do.	Do.	½	
193	Vāsaba	Mādhava-Bhaṭṭa	Varakūri [or Charakūri].	Yajus	Śrīvatas	1	
195	Nṛsiṃhaya	Yallam-Bhaṭṭa	Tummilla	Do.	Ātrēya	1	
196	Vetrata-Bhaṭṭa	Timma.	Kōmūri	Bahvricha	Kōmakāyana-Vivāmitra.	1	
198	Peddi-Bhaṭṭa	Chandru-Bhaṭṭa	Mārēpalli	Yajus	Śrīvatas	1½	
199	Raghupati	Lingam-Bhaṭṭa	Mudigonda	Do.	Do.	1	
200	Venkatārya	Yarra-Bhaṭṭa	Jaktarāja	Do.	Bhāradvāja	1	
201	Lakṣma	Haryappārya.	.....	Do.	Kaundinya	1	
202	Yallam-Bhaṭṭa	Amala-Bhaṭṭa	Vēdanta.	Do.	Śrīvatas	1	
203	Basava-Bhaṭṭa	Lingārya	Yinkelli	Bahvricha	Bhāradvāja	1½	
205	Koṇḍu-Bhaṭṭa	Mallu-Bhaṭṭa	Manuva	Yajus	Śrīvatas	½	
206	Tamaru-Bhaṭṭa	Do.	Do.	Do.	Do.	½	



claims, a field of one hundred *mattar* in the fields north of **Ālūr** of the Plain, on the north side of the road going from **Sirivura** to **Iṭṭage** (and) **Kaṇṇa** the Shepherd's stone, in the eastern *kambi-vadda* of **Siddhēśvara's** meadow, (and) in the eastern *kambi-vadda* of **Allēśvara's** meadow ;

(Lines 31-38.) Whereupon in the presenee of the Mahājānas **Venneya-Bhaṭṭa** assigned to his preceptor<sup>1</sup> **Amarāchārya-Bhaṭṭāraka** of the Guhōya monastery in **Sirivura**, who is—hail !—practised in the major and minor disciplines, seat-postures, suppression of breath, withdrawal (of the senses from their objects), spiritual concentration, meditation, and absorption, with laving of his feet, a field of one hundred *mattar* for the almshouse for (the maintenance of) twelve Brāhmanas and six ascetics, so that the monastery may be fed and supply instruction. The Two-hundred shall protect this (establishment, keeping it) immune from all conflicting claims, and furnish it with food.

(Lines 38-41.) To him who preserves this pious foundation shall accrue the reward of giving in Kurukshētra during an eclipse of the sun as *ubhayanukhis*<sup>2</sup> a thousand kine to gods and Brāhmanas, the reward of consecrating in Benares a thousand phallic images ; to him who violates this pious foundation shall accrue (the guilt of) the five deadly sins for having destroyed the same number.

(Verses 2-4 : common Sanskrit formulæ.)

(Line 46.) The *prāsāda-chakravartti*<sup>3</sup> **Maruḷōja** was the writer (of this edict). Happiness !

#### No. 8.—THREE INSCRIPTIONS OF LAKSHMESHWAR.

BY LIONEL D. BARNETT.

The site of **Lakshmēshwar** town and its ancient names of **Porigere**, **Puligere**, **Purigere**, **Purikara**, and **Pulikara** have already been discussed in this journal (above, Vol. XIII, p. 178, XIV, p. 188). As befits its former importance, it contains a considerable number of inscriptions, among them the following three, which were found on stones in the local temple of **Somēśvara** by Elliot's pandit and copied by him. They all bear upon the history of the cult of **Mahā-svayambhu-Somēśvara**. The first of them (No. A.) appears in the Royal Asiatic Society's copy of the Elliot Collection on fol. 262a of Vol. I, the second (No. B.) on fol. 302b *ibidem*,<sup>4</sup> and the third (No. C.) on fol. 504a *ibidem*. All three were subsequently removed to the local *kachāri*, where ink-impressions of them were prepared for the late Dr. Fleet, which are now in the British Museum. From these I have edited the text. A facsimile and summary of C. is given in *PSOCI*, No. 97.

#### A.—OF THE REIGN OF VIKRAMADITYA VI : YEAR 27.

The stone bearing this record has a rectangular top containing sculptures, namely, in the centre a *linga* on a stand, with a squatting bull on the proper right and a cow suckling a calf surmounted by the sun (right) and moon (left). Below this is the inscribed area, in two

<sup>1</sup> *Ārādhyā*, literally "worshipful one," the title of a class of Śaiva Brāhmanas.

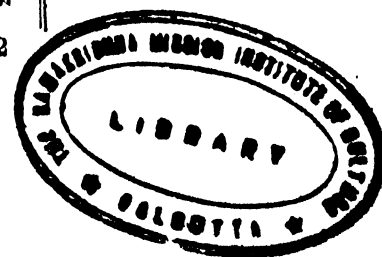
<sup>2</sup> See above, Vol. XIII, p. 15.

<sup>3</sup> Literally, "emperor of palaces" : it seems to be a title of a stone-mason. Cf. *śamaya-cākravartti*, of a merchant (above, Vol. XIII, p. 21).

<sup>4</sup> With the note that it was on a stone in a row of slabs standing along the outer wall of the temple, beside the doorway.

207	Naga-Bhatta	Aubhala	Chārapalli	Yajus	Kaundinya	†
208	Murāri	Sūru-Bhatta	Mahāvōdi	Do.	Gautama	1
209	Tanmā-Bhatta	Parvata	Jallipalli	Do.	Kāśyapa	1
210	Kāśya	Nārāya	Andam	Do.	Kauśika	1½
211	Aubhala	Timma	Muluwāti	Do.	Kaundinya	1½
212	Timma	Singāvar[ij]ba	.....	Do.	Do.	1½
213	Saraya	Nrisinba	Bedadūri	Do.	Do.	1½
214	Peddaya	Timmāya	.....	Do.	.....	2½
215	Tanmā-Bhatta	Ahōhala	Sōma	Do.	Kaundinya	1½
216	Timmaya	Kōnaya	Jagannātha	Do.	Maudgalya	2½
217	Appalē-Bhatta	Kōpārya	Pōchika	Do.	Kauśika	2
218	Bhairava	Sōmayājini	.....	Do.	Bhāradvāja	1
219	Chenna-Amātya	Bhairavārya	Siddharāṭi	Bahvricha	Maudgalya	1
220	Timmāya	Lingārya	Varikōṇḍa	Do.	Vishnuvardhana	1
221	Chinnaya	Yaraya	Dōdā¹	Yajus	Kaundinya	2½
222	Rama	Yarra	.....	Bahvricha	Kauśika	1½
223	Māsa-Avadhānin	Kannan-Bhatta (son of Parvata-Jōya).	.....	Yajus	Harita	1
224	Timmaya	Kōḍa-Varjjibalu (i.e. Kōḍā-Varjjibalu).	Pottapi	Do.	Bhāradvāja	½
225	Pāpā-Bhatta	Lakshmana	.....	Rich	Do.	1
226	Venkata	Malayārya	Atāni	Yajus	Parāsara	1
227	Kōṇṭayya	Tirmala-āchārya	Taipaka	Rich	Bhāradvāja	2

<sup>1</sup> Perhaps same as Doddā in No. 249 below.



compartments : the first, containing l. 1, is about 2 ft. wide and 2½ in. high, and the second (ll. 2-53) is about 2 ft. wide and 4 ft. 7 in. high.—The character is good Kanarese of the period, with letters varying in l. 1 from ⅔ in. to ½ in. in height, and in ll. 2-53 from ⅓ in. to ⅓ in. The subscript *ch* (see ll. 14, 30, etc.) is almost exactly like subscript *dh*.—The language is Old Kanarese, except in the formal Sanskrit verses Nos. 1, 7-9. The *l* has been changed to *l* throughout, but *p* is preserved. The spelling *bhāvinas=p°* (l. 49), for the more regular *bhāvinah=p°*, is noteworthy. The word *aḍḍagara-vāḍi* (l. 37) seems new.

The record first refers itself to the reign of Tribhuvanamalla, i.e. Vikramāditya VI (ll. 2-5), and then introduces in verse and prose the High Minister and General Bhīvaṇayya, or Bhima, a native of Kashmir, who held the title of *mahā-sāmantādhipati* and filled several important offices, being at the time the administrator of the Palasige Twelve-thousand and the controller of the *achchu-pannāya*, one of the departments of taxation (ll. 5-15).<sup>1</sup> Next come four verses and a prose description of Bhīvaṇayya's subordinate the General Mādhava-Bhaṭṭa, a soldier, statesman, and man of taste, who was a High Minister and "president" (*adhiśṭhāyaka*, probably head of the local department) of the *achchu-pannāya* (ll. 15-31). The following paragraph (ll. 31-43) gives the date and details of an endowment granted by Mādhava to the temple of Svayambhu-Sōmēśvara<sup>2</sup> at Purigere and to the associated cult of Muddēśvara out of the fiscal revenues controlled by him, the trustee being Mahēndrasōma, the prior of the local monastery.

The date is specified on ll. 32-33 as the 27th year of the Chālukya-Vikrama era, Chitru-bhānu ; Āshāḍha śu. 5 ; Sunday ; a *vyatipāta*. This is regular, so far as it goes : the given *tithi* corresponded to Sunday, 22 June, A.D. 1102, on which day it ended 17 h. 30 m. after mean sunrise (for Ujjain).<sup>3</sup>

The only geographical names mentioned are : Kāśmīra (l. 10) ; the Palasige Twelve-thousand and the Seven and a half Lakh Country (l. 14) ; Purigere (ll. 35, 36, 38) ; and the *tirthas* (ll. 43 f.). Palasige is the modern Halsi, situate in lat. 15° 32' and long. 74° 36'. Purigere, also called Puligere and later Huligere, with the Sanskritised bye-form Purikara, is the modern Lakshmēshwar.

#### TEXT.<sup>4</sup>

[Metres : vv. 1, 7, 9, *Anuṣṭubh* ; vv. 2, 6, *Mattśbhavikrīḍita* ; vv. 3, 5, 10, *Kanda* ; v. 4, *Champakamālā* ; v. 8, *Śālinī*.]

- 1 ॐ Namaḥ(ma)s-tuṅga-śīraś-chumbi-chaṁdra-chāmara-chāravē trailōkyā-nagar-āraṁ-  
bhaṁ(bha)-mūla-stambhāya Sa(śa)mabhavē || [1\*] ॐ
- 2 ॐ Svasti samasta-bhuvan-āśraya Śrī-Prithvi-vallabha mahārājādhirāja para-  
3 mēśvara paramabhaṭṭārakaṁ Satyāśraya-kuḷa-tīlakam Chāluky-ābharaṇam śrīmat-  
Tri-
- 4 bhuvanamalla-dēvara vijaya-rājyam=uttarōttar-ābhivṛddhi-pravarddhamānam-ā-  
5 chandr-ārka-tāram barām saluttam-ire [1\*] tat-pāda-padma-ōpajīvi || Vṛitta ||  
Dhuradoḷ=tāne
- 6 dhuraṁda(dha)raṁ samuchit-āpt-āḷōchan-āgrēsar-āntaradoḷ=tāne samagra-mamtri-  
perar-i-
- 7 [1\*]=emḍ=imtu kāruṇyadīm pored=āḷdam charitakke mechchi piridum koḍḍ-āḍe  
daḍḍādhinātha-

<sup>1</sup> See *Dyn. Kanar. Distr.*, p. 451.

<sup>2</sup> On the significance of the title *Svayambhu* see my paper on the Kurgōḍ inscr. B. above, Vol. XIV, p. 278.

<sup>3</sup> I have to thank Mr. Robert Sewell for his help in calculating the dates of the inscriptions in this paper.

<sup>4</sup> From the ink-impression.

List of the Donees mentioned in the Inscription—*concl.*

Line.	Name.	Father's Name.	Family or Village Name.	Śākā.	Gōtra.	Prithi.	REMARKS.
233	Yarru-Bhatta	Sadāśiva	Yanabandra	Bahvricha	Kauśika	1	
234	Venkatārya	Kumāra-Bhattar-āchārya	Sunīkasāla	Yajus	Harita	2	
235	Telaṅgaya	Varadārya	Bhāgavata	Do.	Lōbha	1½	
236	Janārdana	Timma	Vemula	Do.	Harita	1½	
237	Vahuka	Lakshmana	Nagarapāṭi	Bahvricha	Kauśika	1½	
238	Kṛṣṇaya	Tippārya	Nemalladinna	Do.	Agastya	1½	
239	Timmaya	Singaya	Muchecharla	Yajus	Harita	1	
241	Sarvayārya	.....	Bollama-Rāja	Do.	Śrīvata	1	
242	Gōpaya	Rāmā-Bhatta	Tāgēti	Do.	Bhāradvāja	1	
243	Yallaya	Bhāskarārya	Tippasamudram	Bahvricha	Do.	1	
244	Mallaya	Timmārya	Vaddipāṭi	Śukla-Yajus	Kaṇḍinya	1	
245	Appaya	Kokkaya	Chēṭulūri	Yajus	Kauśika	1	
247	Rāmachandra	Gōpā-Bhatta	Manchigattī	Do.	Kāśyapa	1	
248	Chennu-Bhatta	Yalla[ya]	Uddhyā	Do.	Bhāradvāja	1	
249	Ahōbala	Gōpāla-Bhattārya	Doḍḍā	Do.	Kaṇḍinya	2	
250	Timmaya	Mōgaya [Nāṅgaya sic Nāgaya].	Bāchakōṇḍa	Do.	Gārgya	1	
251	Venkaṭa	Chinnayārya	Gangu	Do.	Kauśika	1	
253	Bālappa	Kāmaya-Amātya	Vattalūri	Bahvricha	.....	1½	
254	Yalla	Lakshmaya	Teddu	.....	.....	1½	
255	Appana	.....	Parātam (Par-vatam ?).	.....	.....	1	

- 8 roḷ=im̐t=orvvane jiya bāpp=enisidam śrī-Bhīma-daṇḍādhipaṁ || [2\*] Svasti  
samadbigata-paṁcha-
- 9 mahā-śabda-mahāśamaṁtādhipati mahā-prachauḍa-daṇḍanāyakaṁ śiṣṭ-ēṭṭa(śiṣṭa)-  
10 jan-ābhishṭa-phaḷa-pradāyakam nuḍid=am̐te gaṇḍam saujaṇya-vanaja-vana-mārttaṇḍam  
Kāśmira-vi-
- 11 shaya-mukha-maṇḍanam svāmi-vam̐chaka-śiraḷ-khaṇḍana[m] śrīma[t\*]-Tribhuvana-  
malla-dēva-pā-
- 12 d-ābja-bhri(bhṛi)ṅga sāhas-ōttuṅga nām-ādi-samasta-praśasti-sahita śrīman-mahā-  
pra-
- 13 dhānam sāvasiḷ=adhishṭhāyakam mane-verggaḍe pattaḷe-karaṇam ḍaṇḍanāyaka  
Bhī-
- 14 vaṇayyaṅgaḷu Palasige-paṁnirchchāsiramumam Sapt-ārddha-lakṣhey=achchu-  
paṁnāyamū-
- 15 man=āḷuttam-ire [1\*] tat-pāda-padm-ōpajivi ✽ Ka || Abhimāna-Mēru vitarapa-  
vibhū-
- 16 shaṇam dharmma-Dharmmarāja-tana(nū)jam vibhav-aika-Divijarājam prabhu-maṁtr-  
ōtsāha-
- 17 śakti-guṇa-saṁpaṁna || [3\*] Vṛi || Kadanadol=āntaram tuḷidu kolv=eḍeyoḷu  
laya-
- 18 kāḷa-Kāḷan=embudu baḍa-paṭṭu bēḍidavargg(rg)=Ivaḍe jaṅgama-kalpa-vṛikṣham=  
embu-
- 19 du śaraṇ=eiṁdu baṁd=elase kāv=eḍeyoḷu dṛiḍa<sup>1</sup>-vajra-gēham=embudu manad-  
akkaṇim vi-
- 20 bdha<sup>2</sup>-maṇḍali Mādhava-daṇḍanāthanam || [4\*] Ka || Mattina nirasta-guṇaran-an-  
uttamaram paḍedu-
- 21 darkke dhātram prāyaśchitta[m]-geydam paḍedu budh-ōttamanam  
Manu-charitranaṁ Mādhavana || [5\*]
- 22 Vṛi || Dayeyoḷ dharmmadol=ārppinol vibhavadol=gāmbhṛyyadol dhairyyadol na-  
23 yadol chāru-charitradol vinayadol chāturyyadol śauryyadol ni-  
24 yat-ācbāradol=olpinol bahu-kālā-vijñānadol=tāne dhātriyol=atyunnata-
- 25 n=ādan=ūrjita-yaśō-lakṣmi-dhava[m] Mādhava[m] || [6\*] ☉ Svasti samasta-  
vastu-guṇ-āḷam̐kri(kṛi)ta
- 26 mahāmātya-padavi-virājamāna mān-ōmnata prabhu-maṁtr-ōtsāha-śakti-traya-
- 27 saṁpaṁna vibdha<sup>3</sup>-prasa[m]na sukara-kavitā-rasa-vichāra-chāru-Chaturānanam  
madavadh(d)-a-
- 28 ri-karīndra-paṁchānanam baṁdhū-jana-vanadhi-śarat-samaya-pūrṇa-sudhāka-
- 29 ra[m] saujanya-ratnākaram śrīmad-Bhav[ā\*]nīnātha-pād-ābja-bhri(bhṛi)ṅgam sāhas-  
ōttu[m]-
- 30 ga nām-ādi-samasta-praśasti-sahitam śrīman-mahāpradhānan=achchu-
- 31 paṁnāyad=adhishṭhāyakam daṇḍanāyakam Mādhava-bhaṭṭar ☉ Svasti
- 32 śrīmach-Chaḷukya-Vikrama-kalada 27neya Chitrabhanu-sā(sa)m̐vatsa-
- 33 rada Āśāḍa-suddha<sup>4</sup> 5 Ādityavāramu[m] vyatipātadam̐du śrīmad-ā-
- 34 ṇḍanāyakam Mādhava-bhaṭṭar=achchu-paṁnāyamam sukhadin=āḷuttam-irḍḍu
- 35 śrī-rājadhāni paṭṭanam Purigereya śrī-Svayambhu-Sōmēśva(śva)ra-dēva-
- 36 ra Muddēśva(śva)ra-dēvar-aṅga-bhōgake Purigereya 48 sāsira mattar=bhḷḷam̐ni-
- 37 yim̐d=olag=eleyam māruva taḷad=okkaluv=aḍḍāgara-vāḍiy=āgi pērina-

<sup>1</sup> Read *dṛiḍha*.<sup>2</sup> Read *vibudha*.<sup>3</sup> Read *vibudha*.<sup>4</sup> Read *Āśāḍha-suddha*.

255	Kachchi-Bhaṭṭa	.	.	.....	Vāraṇasī	.	.....	.....	I
256	Kṛishṇārya	.	.	.....	Kavi	.	Yajus	.....	†
257	Nāgaya	.	.	.....	Kolaviṭi	.	Do.	Kaṇṭika	†
258	Timmaya	.	.	.....	Kumpaṭi	.	.....	.....	†
260	Nāgaya	.	.	.....	Gōpa-[A]mātya, son of Annaya.	.	Yajus	Paṇṭava	3/5
261	Annaya	.	.	.....	Vina	.	.....	.....	†
261	Timmaya	.	.	.....	Makarāṭṭa	.	.....	.....	†
263	Sūraya	.	.	.....	[Ā]ku	.	Yajus	Harita	1
264	Kṛishṇa-Bhaṭṭa	.	.	.....	Putti-Bhaṭṭa	.	Bahvricha	Vasishṭha	1
266	Siagam-Bha[ṭṭa]	.	.	.....	Pōlu-Bhaṭṭa	.	Yajus	Śrīvatsa	1
267	Vengaya	.	.	.....	Kāmanūri	.	.....	.....	1
268	Appāji	.	.	.....	Ananta	.	Bahvricha	Harita	1
270	Konda-Bhaṭṭa	.	.	.....	Mallu-Bhaṭṭa	.	Yajus	Śrīvatsa	1
271	Nārayana	.	.	.....	Dēvēndra	.	Do.	Harita	1
272	Veddaya	.	.	.....	.....	.	.....	.....	†
273	Rich and Yajus (Vēdas).	.	.	.....	.....	.	.....	.....	2
273	Viṣṇu and Hara (Gods)	.	.	.....	.....	.	.....	.....	2

- 38 luṁ tale-voreyal=elli taṁdaḍaṁ dōvargge paṇṇāyada suṁkamumaṁ **Purigere-**  
 39 yalu māruv=eleya paṇṇāyamumaṁ=atta suṁkav=ikki baṁdu māru-  
 40 va pēriṁg=ule 530 tale-vorege 300 lāvaṇige vokkal-dere dāṁḍa-dōsa(sha)v=int=inituva-  
 41 n=alliya sthān-āchāryara **Mahēndrasōma-paṇḍitara** kāl-garehchi dhārā-pārvva-  
 42 kaṁ māḍi biṭṭar=lut=i dharmamamaṁ paṇṇāyamaṁ=ālv=arasugaḷu pratipālisu-  
 43 varu ☉ Idam kād-ātara Vāraṇāsi Kurukshētra[m] Prayāge Argghyati-  
 44 rttham Gaṁge Gayey=eṁba mahā-paṇya-tīrtthamgaḷoḷu sūsira kavileyam(ya) kō-  
 45 ḍum koḷagumaṁ paṁcha-ratnadala=kaṭṭisi sāsirvvar vōda-pāragar=appa  
 brāhmaṇargg=ubhaya-  
 46 mukhi-gōṭṭa phalaṁ=akkum=idan=aḷid-ātamg=anitumaṁ=aḷida paṁcha-mahā-pātakaṁ=akkum |  
 47 Sva-dattām para-dattām vā yō harēta vasundharā[m] [\*] shasṭir=varirsha<sup>1</sup>-  
 sahaśrā(srā)ṇi viṣṭā(shṭhā)yām  
 48 jayatē krimi[h\*] || [7\*] Sāmānyō=yam dharmma-sētur=nnipāṇām kālō kālō  
 pāṇānyō  
 49 bhavadbhis=[\*]sarvvān=ētān bhāvinas(h)=pārthivēndrān bhāyō bhāyō yāchatō R[ā]-  
 50 machandra[h\*] || [8\*] Bahubhir=vvasudhā bhuktā rājabhis=Sagar-ādibhiḥ [\*] yasya  
 ya-  
 51 sya yadā bhūmi[s\*]=tasya tasya tadā phalaṁ || [9\*] Idan=ā-chandr-ārkkam baram=ndi-  
 52 t-ōditam=āge kādavar=pparama-sukh-āspadha(da)r=appar pāpadin=aḷida  
 53 durātmar=nnaraka-gatige galagalaṁ=iḍi(li)var || [10\*] Maṁgaḷa mahā-srī śrī ☉

## TRANSLATION.

(Verse 1.) Homage to Śambhu, beauteous with the yak-tail fan that is the moon kissing his lofty head, the foundation-column for the structure of the city of the triple world.

(Lines 2-5.) While the victorious reign of—hail!—the refuge of the whole world, darling of Fortune and Earth, great Emperor, supreme Lord, supreme Master, ornament of **Satyāśraya's** race, embellishment of the **Chālukyas**, king **Tribhuvanamalla**, was advancing in a course of successively increasing prosperity, (*to endure*) as long as moon, sun, and stars;—one who finds sustenance at his lotus-feet—

(Verse 2.) As the sovereign, saying that “he is the leader in battle and likewise a perfect counsellor among the most capable of fitting and reliable deliberations, there are no others (*equal to him*),” thus graciously has aggrandised him, and, being pleased at his conduct, abundantly praises him, hence the blest General **Bhīma** alone among generals is addressed with *jīya* and *bāppu*.<sup>2</sup>

(Lines 8-15.) Hail! while the *mahā-sāmantādhipati* who has obtained the five great musical sounds, great august General, bestower of desirable rewards upon cultured and agreeable persons, man of might according to his word, sun to the park of the lotuses of nobility, ornament on the face of the province of Kashmir, decapitator of traitors against his lord, bee to king **Tribhuvanamalla's** lotus-feet, exalted in bravery, High Minister, president of the intendants, steward of the household, provincial<sup>3</sup> registrar, the General **Bhivanayya**, was administering

<sup>1</sup> Read -vareśa-.

<sup>2</sup> Words expressing high approval and admiration.

<sup>3</sup> On the term *patāḷa* cf. *Narēndra Insers. B.*, Vol. XIII, p. 325, n. 8.

## No. 19.—TWO KADAMBA GRANTS FROM SIRSI.

By V. S. SUKTHANKAR, PH.D., POONA.

The copper-plates bearing the subjoined inscriptions, which are now edited for the first time, belong to Mr. Subbaya Nagappa Hegde of Ajjibal in the Sirsi Taluka of the North Kanara District. They have been in the possession of Mr. Hegde's family for a very long time; so long, in fact, that nothing is now known as to when and under what circumstances the plates came into the possession of the family. I obtained them on loan through the good offices of Mr. Shankarrao Karnad, High Court Pleader, Bombay, who, at my request, kindly induced his colleague Mr. V. G. Hegde, B.A., LL.B., Sirsi (a son-in-law of the owner), to send the plates to me for inspection and to allow me to take impressions from them. I am thus editing the grants from the original plates, which were on loan with me for about six months during 1918, and from a set of inked impressions prepared from them in the office of the Superintendent, Archaeological Survey, Western Circle. The annexed facsimiles were subsequently prepared under the supervision of the Government Epigraphist from the impressions supplied by me. The transcript given below has been carefully compared (in manuscript) with the originals before the latter were returned to the owner. My sincere thanks are due to Messrs. Karnad and Hegde for this opportunity of offering here a description of these interesting records of the reigns of the Kadamba kings Ravivarman and Krishnavarman of Vaijayanti (Banavāsi). Their chief claim to our attention lies in the regnal years in which they are dated. The grant of Ravivarman was made (if my reading of the date is correct) in the thirty-fifth year of his reign, and that of Krishnavarman in the nineteenth year.

## A.—PLATES OF RAVIVARMAN: THE [3]5TH YEAR.

These are three copper-plates, the first and last of which are inscribed on one side only, and each of which measures roughly 5½" long by 3" broad. They are quite smooth, their edges being neither fashioned thicker nor raised as rims. Although the plates are fairly thin, the engraving, not being very deep, does not show through on the reverse sides. The letters show evident traces of the working of the engraver's tool. The entire inscribed surface of the first plate is more or less corroded; but only at a few places has the engraving thereby been so far affected as to have become quite illegible. The second plate is, in a sense, in a worse condition, as three of its edges are eaten away; and with them the greater part of l. 6, about a third of l. 17, and some syllables in ll. 11 and 16 are completely lost. The third plate is fortunately quite untouched; and the engraving on it is in an almost perfect state of preservation. The most deplorable part of the havoc wrought on these plates by the destructive agency is that in line 11 some of the letters comprising the words expressing the date are damaged in such a manner that the reading of the date (which is by far the most important element of the record) has to be based on a conjectural restoration from which the element of uncertainty cannot entirely be eliminated. Of no great consequence is, on the other hand, the damage to line 6; for from the preserved fragments of letters we may, I think, safely conclude that the line contained nothing more than a eulogistic phrase or two, which, even if restored, would have added nothing of importance to our stock of knowledge concerning the history of the Kadambas. The plates are pierced by a circular hole so as to receive the ring and seal which are attached. The weight, including the ring and seal, is 38½ tolas. The ends of the ring are securely soldered on to the back of the seal. About an eighth of an inch of the edge of the latter is raised so as to form a rim; the recessed space, which is oblong in shape, is devoid of legend or emblematic design.

The characters, which show great uniformity throughout, belong to the southern variety, and have close affinities with those of other grants of the Kadamba kings, especially with the



the **Palasige** Twelve-thousand and the *achchu-pannāya* of the Seven-and-a-half Lakh Country<sup>1</sup>:—one who finds sustenance at his lotus-feet—

(Verse 3.) A Mōru in pride, distinguished by bounty, a Dharmarāja's son [Yudhishtīra] in righteousness, a unique King of Celestials [Indra] in magnificence, endowed with the excellences of the powers of lord, counsel, and enterprise—

(Verse 4.) With affection of spirit the congregations of sages name the General **Mādhava**, on the occasion of his trampling down and slaying those who confront him in battle, a Spirit of Doom of the time of dissolution; on the occasion of his making gifts to impoverished suitors, a walking Tree of Desire; on the occasion of his giving protection when men come and pray for refuge, a solid adamantine house.

(Verse 5.) By generating Mādhava, who is the best of sages, who follows the course of Manu, the Creator made atonement for having created other inferior men of reprobate character.

(Verse 6.) In mercy, righteousness, power, magnificence, profundity, firmness, policy, pleasing conduct, courtesy, skill, valour, regular practice of duty, excellence, (and) knowledge of many arts, **Mādhava** has become exceedingly exalted on earth, a lord of the goddess of splendid fame.

(Lines 25-31.) Hail! he who possesses all titles of honour such as "he who is adorned with all positive virtues, illustrious in the office of High Minister, exalted in dignity, endowed with the three powers of lord, counsel, and enterprise, gracious to sages, a charming Brahma in appreciation of sentiments of skilful poetry, a lion to the great elephants proud foemen, a full moon of the autumnal season to the ocean of his kindred, a jewel-mine of nobility, a bee to the lotus-feet of Bhavāni's Lord [Śiva], lofty in valour," the High Minister, Controller of the *achchu-pannāya*, (and) General **Mādhava-Bhaṭṭa**—

(Lines 31-33.) Hail! on Sunday, the 5th of the bright fortnight of Āshāḍha in the cyclic year Chitrabhānu, the 27th (year) of the Chālukya-Vikrama era, during a *vyatīpāta*,<sup>2</sup>—

(Lines 33-43.) The General **Mādhava-Bhaṭṭa**, while happily administering the *achchu-pannāya*, for the personal enjoyment of the god Svayambhu-Sōmēśvara (and) the god Muddēśvara of the capital city Purigere, presented to the gods, with laving of the feet of Mahēndra-sōma Paṇḍita, prior of the local establishment, and with pouring of water, the *pannāya* tax (collected) wherever tenants of estates selling betel-leaf within the 48,000 *matṭar* of the lands of Purigere bring (the leaf) in loads conveyed either on shoulder-poles (?) or in head-loads, likewise the *pannāya* on betel-leaf sold in Purigere, likewise a total of 530 leaves on each load and 300 on each head-load sold there after deduction of the tax, together with tenants' tax and fines for offences. So the governors<sup>3</sup> administering the *pannāya* shall maintain this pious endowment.

(Lines 43-46: a prose formula of the usual type.)

(Verses 7-9: common Sanskrit verses.)

(Verse 10: a Kanarese commonitory stanza.)

## B.—OF THE REIGNS OF VIKRAMADITYA VI (YEAR 32) AND TAILA III (YEARS 3 & 4).

The stone bearing this inscription has suffered some damage, a considerable portion having been broken off on the proper left side, from the top down to line 15. About half of the

<sup>1</sup> The *achchu-pannāya* was one of the branches of taxation. On the Seven-and-a-half Lakh Country see *Dyn. Kanar. Distr.*, p. 341, n. 2.

<sup>2</sup> A *vyāga* in which the declination of sun and moon are equal.

<sup>3</sup> This use of *arasa* in reference to civil officers of the Crown deserves notice, especially in connection with Dr. Fleet's remarks in *Dyn. Kanar. Distr.*, p. 429. Cf. below, p. 50, n. 2.

Halasi plates of the Kadamba Ravivarman, published by the late Dr. Fleet. The letters *t* and *n*, alike whether used singly or in conjunction with other consonants, are devoid of loops: nevertheless they are clearly distinguishable from each other. For in *n* the right limb of the letter is regularly drawn in continuation of the slanting (or vertical) stroke; whereas in *t* the upright stroke is much shorter and distinct from the lower part of the letter, which forms a horse-shoe (sometimes with unequal arms), and to which the short vertical stroke is attached at the top. It may be added that owing to this characteristic even the upper half of the letter *t* is sharply distinguished from the corresponding portion of *v*, in which the vertical stroke is regularly drawn in continuation of the right limb (as in *n*), a fact whose importance will be apparent when we shall turn our attention to the subject of the reading of the date of the record. The difference between the forms of *t* and *v* may be studied in the following examples: *Hārītī* and *pratikṛitī* in line 3, °*pati-pratimāḥ* l. 7, *tithau* l. 12, °*rakshatī* l. 19, *bhavatī* l. 20; and °*vijaya* l. 1, °*vipula* l. 8, and °*vinaya* and °*viśārada* l. 9. In ll. 7 and 10 occurs an initial *a*; in ll. 10, 12 &; in l. 20 *u*; in l. 19 final *k*; in l. 14 final *t*; and in ll. 17, 21 final *m*. For final consonants, as is usual in these records, the full forms are used in reduced size, written on a slightly lower level than the rest of the letters of the line. The medial vowel in *nā* is written by bending back the last downward stroke in an upward direction, e.g. in lines 2, 3, etc.—The language of the inscription is Sanskrit, and, with the exception of the imprecatory and admonitory verses at the end (ll. 20-23), the text is in prose. The document, it may be added, begins and ends somewhat abruptly. The grant proper is couched in very terse language. The preamble does not mention any of Ravivarman's ancestors, and the epithets coupled with the name of Ravivarman himself, which are of the stereotyped form, are, relatively speaking, few in number. They contain no new historical information regarding the royal donor. In its brevity the record resembles closely the Nilambūr plates of the Kadamba king of the same name.—The orthography does not call for any particular remarks.

The inscription is one of the *Dharma-Mahārāja Ravivarman* of the Kadamba family. We have already the Halasi and Nilambūr plates of a Kadamba Ravivarman. The highest regnal year recorded in these grants is the eleventh. The present grant records (ll. 10-19) that on the fifth tithi of the bright half of the month of Kārttika in a specified regnal year (the reading of which is uncertain and will be discussed later on) Ravivarman granted to the Mahādēva temple of his beloved physician, the *dēś-āmātya* Nilakanṭha,<sup>3</sup> four *nivartanas* of land in the village of Sārē (or Sāra), of which further specifications will be found in the appended translation. In this portion of the record (ll. 16, 17) there is a *lacuna*, in which some further details of the donation are lost.

The genealogy of Ravivarman is not given. But, as the writing of the present record does not differ in any essential points from that of the Halasi and Nilambūr grants of the Kadamba king of the same name, we may on palaeographic grounds tentatively identify him with Ravivarman, the son of Mṛigśavarman and grandson of Śantivarman.

The reading of the regnal year is, as stated above, uncertain. The year is expressed in words only (as in all the records of this dynasty that have come under my notice), which I read as *pañcha-[triṃśat]tamē*, 'in the thirty-fifth.' The compound indubitably contains the element *pañcha*-, which is clear, and another word, expressing a multiple of ten, which is obliterated. The second syllable of this partly defaced word contains again unquestionably a *ś*. The choice, therefore, lies between *-viṃśē* and *-viṃśatitamē*, or *-triṃśē* and *-triṃśattamē*. As, moreover, the sign of *ś* does not appear to have been added to *ś*, the intended *akshara* must be taken to be *śa*. This circumstance further reduces the possible alternatives at our disposal to *-viṃśatitamē*.

<sup>1</sup> *Ind. Ant.*, Vol. VI, pp. 25 ff.

<sup>2</sup> See below, p. 268, foot-note 10.

<sup>3</sup> Above, Vol. VIII, p. 147, and Plate.

pediment remains; and on this the only sculptures visible are a *līṅga* on a stand with a squatting bull to the proper right. The text below this is contained in three compartments, all of them about 2 ft. wide. The first of these, comprising ll. 1-5, is about 4½ in. high; the second, ll. 6-68, some 4 ft. 3 in. high; and the third, ll. 69-70, about 2½ in. high.—The character is a fair Kanarese of the middle of the twelfth century, with letters varying in height from ⅙ in. to ⅞ in.—Apart from the Sanskrit stanzas Nos. 1, 2, 15, and 26, the language is Old Kanarese. The ancient *ḷ* has been changed to *r* in *kirtt*= (l. 10) and *negarḍḍam* (l. 42), and elsewhere to *ḷ*. The *upadhmāntya* appears in *-payahpūra*- (l. 25) and *Vāchaḥpati* (l. 54). *P* is changed to *h* only in the names *Tailaha* (ll. 22, 32, 48, 56, 58) and *Hānuṅgall*= (ll. 65-6; elsewhere *Pānuṅgallu*). Among the words of lexical interest we may notice *Chaluki* (l. 5), *jagadaḷa* (l. 6), *nirvādhe* (l. 15), *kaṇḍarisu* (l. 27), *kaṇṇayisu* (l. 27), *ullēkha* in the sense of “high-flashing” (l. 57), *gadduge* (l. 58),<sup>1</sup> and *kaṇḍarane*, “carving” (l. 70).

The record chronicles three endowments, and was redacted in its present form on the occasion of the last of these. The first part, after a prelude (vv. 1-4), opens with a series of stanzas (ll. 6-10) praising in succession *Permāḍi-Rā[ja]*, by whom *Vikramāditya VI* seems to be meant (v. 5), *Tailapa* (i.e. *Āhavamalla Nūrmāḍi Taila II*), *Satyāśraya*, and *Vikrama*, i.e. *Vikramāditya VI* (v. 6); and *Vikramāditya*'s successes over the *Chōlas*, *Nēpālas*, and *Gūrjaras* are glorified (v. 7). Then comes the formula referring the grant to *Vikramāditya*'s reign (ll. 10-12), followed by verses giving the lineage of his feudatory the *Kādamba Mahā-Maṇḍalēśvara Taila [II]* or *Tailaha-dēvarasa* of *Hāngal* (ll. 12-17). He was the son of *Śānta* (*Śāntivarman*) and *Śrīyā-dēvi*; and *Śānta* had four brothers, named *Taila [I]*, *Māvuli*, *Chōki*, and *Bikki* (i.e. *Vikrama*).<sup>2</sup> After this comes a prose passage giving to *Tailaha* all the standing titles of his family and referring the grant to his reign (ll. 17-24). Then we have some verses in praise of the town of *Purikara*, i.e. *Lakshmēshwar* (ll. 24-26), its sanctuary of *Mahā-svayambhu-Sōmanātha*, or *Dakṣiṇa-Sōma*, “the Sōmnāth of the South” (ll. 26-28), and the prior of that establishment, *Mahēndrasōma Paṇḍita-dēva*<sup>3</sup> (ll. 28-30); and then comes an interesting prose paragraph (ll. 30-34) relating how the latter paid a visit to the *Mahā-Maṇḍalēśvara Tailaha-dēva* (the above-mentioned *Kādamba Taila II*) at *Pānuṅgallu*, and gave him his blessing and gift of the *Śaiva* eucharist, in return for which he received from *Tailaha* the gift of the town of *Kallavaṇa* for the maintenance of his temple (ll. 34-38). A formal ending of the usual kind then brings the first section to a conclusion (ll. 38-40).

The second part then opens with a verse in praise of the *Chālukya Taila II*, who in allusion to his title *Nūrmāḍi-Taila*, “a hundred times a *Taila*,” is here called *Irmaḍi-padirmaḍi-nūrmāḍi-Taila*, “twice, twelve times, a hundred times a *Taila*” (ll. 41-42), and it then formally refers itself to his reign (ll. 42-44). We are then introduced in three verses to another *Kādamba* prince, *Māvuli-Taila*, also called *Tailaha-dēva* and simply *Taila*, a grandson of the above-mentioned *Tailaha II*; he was reigning at *Nareyaṅgallu* (ll. 44-48), and was a worshipper of *Sōmanātha* (ll. 48-49). He had a feudatory, the *Mahā-Maṇḍalēśvara Vira Pāṇḍya*,<sup>4</sup> who at the time was holding the *manneya* or seigniorship of the *Puligere nāḍ* (ll. 49-51), while the General *Mahādēvarasa* was governing the same district and the *Banavāse* country in the office of

<sup>1</sup> Cf. the phrase in a Sogal inscription, ll. 11-12, *śnānam māḍuvargge gaddugeya niram*. It seems to be the same as the Kashmiri *goḍu*, “aspersion,” “ceremonial sprinkling.”

<sup>2</sup> On this pedigree see *Dyn. Kanar. Distr.*, pp. 559 sqq.

<sup>3</sup> Among other titles he is described as *Daśavarman-vraja-niyukta* (l. 29), “employed in the *vraja* of *Daśavarman*.” Properly *vraja* means a cattle-stall; here perhaps it signifies a royal court. Who *Daśavarman* was is a mystery.

<sup>4</sup> On *Vira-Pāṇḍya*, who also appears as ruling at this time in *Uchohaṅgi-durga* over *Nolambavāḍi*, see *Dyn. Kanar. Distr.*, pp. 456, 458, *PSOCL.*, Nos. 116, 117, 139, *Mysore Inscr.*, Nos. 8, 9, 32, 34, 35. He was father of *Vijaya Pāṇḍya*.

and *-trimsattamē*. Further, the remnant of the *akshara* after *sa* appears most to resemble a deformed *t*, very faint, indeed, but still distinguishable on the plate, a conclusion which is in harmony with the above supposition that the longer form of the ordinal (*vimśatitama* or *trimsattama*) has been used here, and not the shorter (*vimśa*, *trimsa*). Let us now turn our attention to the syllable preceding *sa*. The preserved portion appears to consist of the medial *i* and a short vertical stroke added at the top of a mutilated horse-shoe. Therefore, from what I have said above regarding the shapes of *v* and *t*, it follows that this defaced *akshara* can only represent a *vi* and not *ti*. This result also fits in with our former observation that the third missing syllable is a deformed *ta* (and not *ti*); for an initial *t* requires the restoration *-trimsattamē* (containing *ta* in the third syllable), while an initial *v* would necessitate the reconstruction, *-vimśatitamē* (with *ti* in the third syllable). I have, therefore, for my part, no hesitation in reading the preserved portion of the first damaged *akshara* as *ti*, and supplementing the lost subscript *r* under it. The second syllable is, as already remarked, *sa* beyond doubt. Then I read *t[ti]a*, after which there is just sufficient space for the inclusion of *mē*, which syllable, however, is completely obliterated. The complete restored regnal year would, therefore, be *pañcha-trimsattamē*,<sup>1</sup> 'in the thirty-fifth year.' It may be added that, if the reading proposed by me is not accepted, the only possible alternative is *pañcha-vimśatitamē*, which in my opinion is extremely doubtful.

The village *Sārē* (or *Sāra*), which is the object of the grant and which is mentioned without any specification of its whereabouts, remains unidentified.

#### TEXT.<sup>2</sup>

[Metre of two verses in ll. 20-23 : *Śloka* (*Anushtubh*).]

#### First Plate.

- 1 स्वस्ति ॥ श्रीविजयदेवजयन्त्यां स्वामिमहासेन-
- 2 मादगणानुध्याता(ना?)भिषिक्तानां (॥) मानव्यस[गोचा]-
- 3 णां हारितीपुत्राणां प्रतिकृतिस्वा[ध्या]-
- 4 यचर्चापराणाम<sup>3</sup> कदम्बानां श्रीरवि[वर्मा]<sup>4</sup>-
- 5 धर्ममहाराजः प्रतापप्रणतस[कल] . . .<sup>5</sup>

#### Second Plate; First Side.

- 6 . . . [अग्रस्रविज्ञानादिकृत] . . . . .
- 7 कदम्बमहासेनापतिप्रतिमः<sup>7</sup> अनेकजम्बा[न्त]-
- 8 रोपार्जितविपुलपुण्यसंपादितमरीर[:]<sup>8</sup>

<sup>1</sup> [The form *trayas-trimsatimē* occurs in a Telugu record from Drākshārāma: No. 349 of the Epigraphical Collection (Madras) for the year 1893.—H. K. S.]

<sup>2</sup> Read न्.

<sup>3</sup> From the original plates and a set of impressions.

<sup>4</sup> The bracketed letters are conjecturally added; at this point the plate is worn almost to the depth to which the letters were incised.

<sup>5</sup> The last two or three syllables of line 5 have worn away and become completely illegible.

<sup>6</sup> The upper edge of this side of the middle plate is eaten away; and, with it, the upper portions of the letters in l. 6 are either effaced or completely lost. It is needless to add that the vowel signs are almost all completely obliterated, and, in the reading given above, only conjecturally supplied.

<sup>7</sup> Here, and in other places below, the rules of *samāhi* have not been observed.

<sup>8</sup> The sign of the *visarga* is defaced.

*mēl-āḷka* (ll. 51-52), and the Generals *Biddarasa* and *Attirāja* (or *Attiparāja*) were administering the Puligere *nāḍ* under the orders of *Mahādēvarasa* (ll. 52-55). The record then relates in prose that *Māvuli-Tailaha* after a visit to the temple at Puligere confirmed his grandfather's gift of *Kallavaṇa*, with some further provisions, the trustee being *Jñānasōma Paṇḍita-dēva* (ll. 56-64).

The final section (ll. 64-70) records a supplementary grant, by which *Pākarasa*, general in command of the *Hānuṅgallu Five-hundred*, in concert with the controllers of the treasury, assigned one *paṇa* from every town and village in his district for the supply of lamps in the same temple, and brings the inscription to an end by a series of verses from which we learn that *Jñānasōma*, the prior of the temple, was the son of the above-mentioned *Mahēndrasōma* and *Māliyakka*, and that the engraver was *Rājōja*, son of *Jinnōja* and younger brother of *Chāva*.

The date of the first grant is given on ll. 34-35 as the 32nd year of the *Chālukya-Vikrama era*, *Sarvajit*; *Pushya śuddha 13*, Sunday; the *uttarāyana-saṁkrānti*; a *vyatipāta*. These details are discrepant. The *tithi* mentioned corresponded to Sunday, 29 December, A.D. 1107, and ended about 18 h. 37 m. after mean sunrise (for Ujjain); but the *uttarāyana-saṁkrānti* of that year took place about 6.50 A.M. on Wednesday, 25 December. Mr. Sewell informs me that according to the *Siddhānta-śirōmaṇi* the *tithi* was 29 December, but the *uttarāyana-saṁkrānti* occurred on Tuesday, 24 December, at 1 h. 5 m. 20 s. after mean sunrise.

The second grant is dated on ll. 59-60 as the 3rd year of *Traiḷōkyamalla*, *Aṅgiras*; *Pushya śuddha 8*, Monday; the *uttarāyana-saṁkrānti*; a *vyatipāta*. This is quite irregular. The *tithi* in question corresponded to Saturday, 6 December, A.D. 1152, ending about 10 h. 38 m. after mean sunrise. On the other hand, the *uttarāyana-saṁkrānti* occurred on Wednesday, 24 December.

The third grant bears as date the 4th year of *Traiḷōkyamalla*, *Śrīmukha*; *Chaitra amāvāsya*, a Monday (ll. 64-65). This again is wrong, for the given *tithi* was current on Thursday, 26 March, A.D. 1153, ending about 21 h. 24 m. after mean sunrise.

The geographical names mentioned are *Purikara* town (ll. 3, 26) and province (l. 51), and their synonyms, *Puligere* town (l. 57) and province (ll. 50, 52); the *Chōlas*, *Nēpālas*, and *Gūrjaras* (l. 9); *Banavāsī* town (ll. 12, 17), and its synonym *Jayantī*<sup>1</sup> (ll. 13, 18, 45); *Banavāse* province (l. 51); the *Pānuṅgallu* or *Hānuṅgallu Five-hundred* (ll. 22, 35, 63, 65-6); the *nelo-vīḍu* or standing camp of *Pānuṅgallu* (ll. 23, 32); the *Kundavura Thirty* (l. 36); *Kallavaṇa* (ll. 36, 59, 61); the *tirthas* (l. 39); and the *nelo-vīḍu* of *Nareyaṅgallu* (ll. 46, 63). On *Purikara* or *Puligere* see above, p. 31. *Pānuṅgallu* or *Hānuṅgallu* is now *Hāngal*, and *Nareyaṅgallu* *Narēgal*. *Kundavura* is possibly the same as *Kundār*, the modern *Narēndra*, on which see above, Vol. XII, p. 298. *Kallavaṇa* I am unable to identify.

### TEXT.<sup>2</sup>

[Metres: vv. 1, 2, 15, 26, *Anuṣṭubh*; vv. 3-5, 8, 12-14, 16, 18-24, 27, *Kandā*; vv. 6, 9, 10, 25, *Mattēbhavikrīḍita*; vv. 7, 11, *Mahāsrugdhara*; v. 17, *Utpalāmālā*.]

- 1 Jayaty-ānanda-sandōha-jñān-aśvāryya-mayas-sadā [\*] ichchhā-mātra-samutpanua-samasta-bhūva[na —] [1\*]
- 2 Namas-tuṅga-śiraś-chāmbi-chāndra-chāmara-chāravē [\*] traiḷōkyā-nagar-ārambha-mūla-stambhāya Śambhavē | [|| 2\*] <sup>3</sup>Gaṇa . . .

<sup>1</sup> This name regularly is used in the name *Jayantī-Madhukēśvara*, the standing title of the tutelary deity of the Kāḷambas.

<sup>2</sup> From the ink-impression.

<sup>3</sup> [The phrase intended was *Gaṇādhipataye namaḥ*. With *śrīmat* begins correctly the verse 3 which is in the *Kandā* metre.—H. K. S.]

- 9 नयविनयविशारदः <sup>1</sup>परमधार्मिकात्यन्त-  
 10 पितृभक्तः <sup>2</sup>अनयातुपूर्व्या आत्मायुरे[श्व-]  
 11 र्यप्रवर्द्धमानकरे संवत्सरे पञ्च<sup>3</sup>[त्रिं]श[त्तमे]



































































































































































































































## Second Plate; Second Side.

- 12 क[ि]र्त्तिकमासशुक्लपक्षे पञ्चम्यां तिथौ आत्मनः<sup>4</sup>  
 13 प्रियवैद्यस्य नीलकण्ठ<sup>5</sup>ख्यदेशामात्यस्य महा-  
 14 [दे]वायतनाय <sup>6</sup>सारयामि दासतडाकस्य[ि\*]धस्तात्<sup>7</sup>  
 15 बंबारेतडाकस्योपरि <sup>8</sup>बंदुपुत्री[पि]क्षेत्रे  
 16 . . . . . नेन निवर्त्तनचतुष्टयन्दत्तवान्तस्य द्विभागं .  
 17 . . . . . पोषण[ि]त्यम् देवायत[न\*]प[र्यन्त] . . . . .

## Third Plate.

- 18 काश्यपसगोत्रभरद्वाजसगोत्रार्थस्वामिपाशु-  
 19 पताख्याश्याश्च<sup>10</sup> [॥\*] योभिरक्षति तत्पुण्यफलभाक्  
 20 भवति [॥\*] उक्तञ्च [॥\*] स्वदत्तां परदत्तां वा यो हरेत वसु-  
 21 त्वराम् [॥\*] षष्टिं वर्षसहस्राणि नरके पश्यते <sup>11</sup>त सः[॥\*]  
 22 बहुभिर्बन्धुना भुक्ता राजभिस्सगरादिभिः [॥\*]  
 23 यस्य यस्य यदा भूमिः तस्य तस्य तदा फलमिति [॥\*]

<sup>1</sup> Read चार्मिका°.<sup>2</sup> I can make no sense out of the syllable अनयातुपूर्व्या. Read अन[पा\*]या°? See below, p. 268 n. 7.<sup>3</sup> The lower portion of all the remaining letters of this line are more or less defaced. Of the bracketed syllables, the preserved portion of the first, I am fully persuaded, can be nothing but *ti* (see above, pp. 265-6); the next syllable, *sa*, is quite distinct and unmistakable, both on the plate and in the impression; furthermore, I believe, it is possible to discern on the plate very faint, but unmistakable, traces of a diminutive *t* (which must be a part of a ligature) and somewhat uncertain traces of *m*. I have, therefore, no hesitation in supplying the missing subscript *r* below the *ti*, and I may say that I look upon the reading *triṃśa* as more or less certain. For the bracketed *tta* compare the form of this ligature in =*dattavān*= in l. 16 below.<sup>4</sup> The subscript *ma* is rather faint, and appears to have left no trace on the impression paper.<sup>5</sup> Read छा°.<sup>6</sup> Or सारयामि.<sup>7</sup> The final *t* (for which the full sign is used), written below the line, is faint; but it can be made out on the original plate quite unmistakably.<sup>8</sup> Or बंदु°?<sup>9</sup> The sign of the medial *t* in the bracketed syllable appears to have been crowded out of its natural position (which is a little more to the left, over the hollow of *pa*) by the subscript *ya* of the ligature immediately over the syllable in question. [Possibly the reading is बंदुपुत्री.—H. K. S.]<sup>10</sup> A short space is left between च and यो.<sup>11</sup> Read तु.

- 3 śrīmat-Purikara-pura-lakshmi-maṇḍanan=Abhavan = ubhaya - bhava - hita - karan = urvvi-  
mahitan=enipa **Dakshi**[na-Sōm . . . ]
- 4 pad-ārā[dha]karam || [3\*] ☉ Nandiyum=Agajeyuv=uttams-ēnduvum=udyaj-  
jaṭā-kaṭāpamum=initum sanda **S**[vayāmbhu(?) . . . ]
- 5 go **Chaluki**-vaṁś-ōttamarām || [4\*] ☉
- 6 ☉ Śrīmach-**Chalukya**-vaṁśa-lalāmarām vidviṣṭa-rāya-jagadaḷan=akhi-ōrvvi-  
maṇḍanan=apratim-ōddāmarām **Permmādi-rā**[                                            ] [5\*]
- 7 ☉ Śaraṇ-āyāta-kubhṛit-kuḷa-prakaramām vārāṣiy=em̐=ante bittaradim rakshisi  
**Tailap**-āvanipān=iin **Satyāśray**-ō[rvviśvarām(?)                                          ] **Chalukya**-  
vaṁśa-lalanā-lālāṭa-lakshmarām vasuṁdhareyam tāḍidan=atyudātta-mahimarām śrī-  
**Vikram**-ōrvviśvara || [6\*] Pari-i[— —                                        ] ada]-  
9 tūm Chōlanam chālanam-goyd-ariyūm **Nēpāla**-bhūpālanam=adaṭ-aledam **Gūrjjar**-  
ōrvviśa-rājat-puramarām nirdhāma-dhū[ma                                      ]—]  
10 suṭṭan=ōṭṭaysid=urvviśara bēram bēradim kirtt=aledan=anupamarām **Vikramāditya**-  
dēvarām || [7\*] ☉ Svasti samasta-bhuvan-āśraya [Śrī-Prithvi-vallabha mahā]-  
rājādhirāja paramēśvara paramabhaṭṭāraka **Satyāśraya**-kuḷa-tiḷakam **Chāluky**-  
abharanam śrīmat-Tribhuvanama[ila-dēvara vijaya]-  
12 rājyav=attarōttar-ābhivṛiddhi-pravardhidhamānam=ā-chaṁdr-ārka-tāram barām  
saluttam-iro || Tat-pada-padm-ōpajivi || Ka || ☉ **Bana**[vāsi                                ]  
13 n=anagha-Jayānti-pur-ōśa-Madhukōśa-jagaj-jana-vaṁdya-pada-sarōj-ārchhana-tatparaṇ=  
udgha-samara-lōlam **Tailam** [8\*] || Vṛi || Janaka[in —                             ]  
14 r-dalana-daksham Śānta-bhūpālan=ātana mā-dēvi samagra-puṇyavati dal tāy=  
tām Śrīya-dēvi **Taila**-nripam **Māvuli Chōki Bikkiy**-enip-i bhū[pā]-  
15 la-jālam yaśō-dhanar=ēm puṇyamo sat-kanīya-janaka[r-<sup>\*</sup>]śrī-**Taila**-bhūpālan || [9\*]  
Baliy=em̐=ante tādīya-dēśuman=adam nirvādheyim̐=āldu me[y-ga]-  
16 li dik-kuṁbhīya kuṁbha-sambhṛita-lasat-sim̐dhā(dū)ra-rāg-āviḷa[in] baḷa(la)vat-  
tōjam=enal dharā-valayamarām niḷka(śhka)niḷkām māḷidam palaram bannisa-  
17 l=udhdhat-āri-dalanam **Kādamba**-kaṇṭhiravam || [10\*] ☉ Svasti samadhigata-  
pancha-mahā-sabda-mahāmaṇḍalēśvarām **Banavāsi-puravar-ādhiśvarām**  
18 [Jaya]nti-Madhukōśvara-dēva-labha-vara-prasādam sahaja-mṛiga-mad-āmōdam  
Tryaksha-kshma-sambhavam chatur-asī(sī)ti-nagar-ādhiśṭhita Lalāṭa-  
19 [lōhana-Cha]turbhujam(ja)-jagad-vidit - āśṭādaś-āśvamōdha - yajña - dikshā-dikshitam  
Himavad-giriṁdra-ruṁdra-sikhari(ra)-śēkharāyamāna(ṇa)-mahā-spha-  
20 [ṭika-sīla-stam]bha-badhdha-mada-gaja mahā-mahim-ābhirāmām **Kādamba-chakri**  
**Mayūravarma**-mahā-mahipāla-kuḷa-bhūṣhanam permma-  
21 [ṭi-tū]rya-nirgghōshanam sā(sā)khācharēmdra-dhvaja-virājamāna mām-ōttumga-  
simha-lāmchōghanam datt-ārthi-kāmchanam samara-jaya-kūraṇam **Ka**-  
22 [dam-b-ā]bharanam mār-kkolarā gaṇḍam nām-ādi-samasta-prasasti-sahitam  
śrīman-mahāmaṇḍalēśvarām **Taila**-dēvarasar=**Ppanumgalla**-a-  
23 [yn]ūram tribhōg-ābhyantara-siddhiyam duṣṭa-nigraha-viśiṣṭa-pratipālaneyim̐=āld-  
arasu-goyuttam **Pānumgalla** nele-  
24 [vi]dinol sukha-samkathā-vinōdadim̐=iral=ittal || Vṛi || Tevar-ellam dēvatā-  
mandira-nivahame nimna-sṭhāṭi-rājy=ellam suvirāja-  
25 d-dirghikā-samkuḷa-bharita-payāḥ-pūra-nirōja-kāsāravo muttam tat-samālakṣita-  
vasudhey=ad=ellam lasach-chaṁdan-ōdyānav=enal ra-

## TRANSLATION.

(Line 1.) Hail! At (the city of) victory, the glorious **Vaijayanti**, the *Dharma-Mahārāja*,<sup>1</sup>—(of the family) of the **Kadambas**, anointed after meditating on Svāmi-Mahāsēna and the assemblage of the Mothers; belonging to the *Mānavya gōtra*; descendants of Hārīti: studying the requital (of good and evil) as their sacred text,<sup>2</sup>—the glorious **Ravivarman** before whose prowess (are) prostrate all<sup>3</sup> . . . . . similar to the great leader of the armies of Kadamba,<sup>4</sup> (the excellence of<sup>5</sup>) whose body had been produced by great religious merit acquired in numerous births, well-versed in (rules of) statesmanship and decorum, highly righteous and deeply devoted to his father, on the fifth tithi of the bright half of the month of **Kārttika** in the [thirty]-fifth<sup>6</sup> year, in uninterrupted succession,<sup>7</sup> augmenting his life and sovereignty, has given<sup>8</sup> . . . . . four *nivarttanas* (of land) in the plough-land called *Bamdupukro[pi]* (or *Bamdu*<sup>9</sup>) below *Dāsa-taḍaka* (and) above *Bambārō-taḍaka*,<sup>9</sup> (situated) in the village of *Sārē* (or *Sāra*), to the temple of *Mahādēva* (*Śiva*) of his beloved physician named *Nilakanṭha*, the *dēś-āmātya*<sup>10</sup>; two parts of it (are given) . . . . . for maintenance . . . . . up to the temple . . . . . to *Ārya-svāmin* and *Pāsupata* belonging to the *Kāśyapa gōtra* and the *Bharadvāja gōtra* (respectively).

(Line 19.) He who protects it will have a share in the merit accruing from it.

(Line 20.) It has also been said :—

[Here follow two of the customary admonitory verses.]

## B.—PLATES OF KRISHṆAVARMAN II : THE 19TH YEAR.

These plates, which are in a much better state of preservation than the foregoing, are also three in number. They measure roughly 6½" long by 2½" broad. They are quite smooth, their edges being neither fashioned thicker nor raised into rims. The plates are thin; but the engraving being shallow, though otherwise quite good, the letters do not show through on the reverse sides at all. The letters show the characteristic marks of the working

<sup>1</sup> Here used as a title. Its literal meaning is: the *Mahārāja* who is devoted to the performance of duty (*dharma*).

<sup>2</sup> I have adopted Kielhorn's rendering of the difficult phrase *pratīkṛitī*<sup>o</sup>, and I may refer the reader to his note on the subject, *Ep. Ind.*, Vol. VI, p. 15, note 3.

<sup>3</sup> The rest of the sentence is lost.

<sup>4</sup> Compare the epithet *Kadamba-sēnānī-bṛhād-antaya-vy[ḍ]ma-chandramā* ('the full moon in the firmament of the great lineage of the Kadamba leader of armies'), applied to *Kākusthavarma*n in the *Tālagunda* pillar inscription of *Kākusthavarma*n, ed. Kielhorn, *Ep. Ind.*, Vol. VIII, p. 31.

<sup>5</sup> I suppose we have to supplement here some such words as these.

<sup>6</sup> See above, p. 267, note 3.

<sup>7</sup> I propose to amend the text and read *ana[pā\*]y=ānupūrvyā*. The uninterrupted succession refers naturally to the king's regnal years. I have not come across the phrase elsewhere; but the emendation gives, in my opinion, quite a satisfactory sense.

<sup>8</sup> There is a *lacuna* in the text here.

<sup>9</sup> The expressions *adhastāt* and *upari* may have been used with reference to the level of the field under description.

<sup>10</sup> *Dēś-āmātya* literally means 'the minister of the country (or province),' but it may have a more specific meaning here. Of. with this expression the modern surnames *Deshmukh*, *Deshpande*, which are undoubtedly derived from original titles of functionaries. Or should we take *Nilakanṭha* as the name of a country?



- 26 mya[m\*] dal=endum Purikara-nagari-lile lōk-āvalōkam || [11\*] Mattam=alli ||  
 Kam || Ond=ond=akshateyam sānandadin=abhyarchchisake kolagam tivitt=  
 emdo-
- 27 de Śiva-līngada sama-sanda mah-ōnnatiya pavaṇan=ariyem pogalal || [12\*]  
 Kaḍeyada kaṇḍarisada bōr-ppaḍisada kammayisad=ōnd=akpirttri(tri)-
- 28 ma-rūpaṁ paḍeda[m ?] Svayambhu neladinnd=ōḍedu dayam-geydan=alli Dakṣiṇa-  
 Sōmam || [13\*] Int=enisida Mahā-svayambhu-Sōmanātha-dēvara
- 29 sthān-āchāryyam || Kam || Suvrata-nīlayam sakaḷa-mahā-vrati-santāna-kalpa-  
 bhūjam Daśavar-nma-vraja-niyuktan=esedam pravrajya-Mahēm-
- 30 drasōma-paṇḍita-dēvam || [14\*] Intu sama-dama-yama-niyama-niṣṭhā-garisthān=  
 appa Mahēmdrasōma-paṇḍita-dēvar=mmahā-
- 31 mahiman=appa Sōmanātha-dēva-divya-śrī-pād-ārchchan-āḷamkṛita-ghuṣṭi(śrī)ṇa-  
 maṣṭi(śrī)ṇa-chandan-ānūlēpa-sugandha-gandhamumam tat-prasā-
- 32 da-śēsh-ākshataṅgaḷumam koṇḍu Pānuṅgallige pōgi mahā-maṇḍalēśvaram  
 Tailaha-dēvanam parasuvudum harsh-ōṭkaḷsha-chittan=āgi sthā-
- 33 na-viśēshamumam dēvatā-viśēshamumam manade-gōṇḍu Sōmanātha-dēvargg=aṅga-  
 bhōgakke namma nāḍol=ōnd-ūram kuḍuvam=emdu vichā-
- 34 risi śrīkarapa-pradhāna-sēnādhipa-purassaram svasti śrīmach-Chāḷukya-Vikrama-  
 samvatsarada 32neya Sarvvajit-samvatsarada Pu-
- 35 shya-suddha 13 Ādi-vārav=uttarāyana-samkramaṇa-vyatipātam kūḍida puṇya-  
 tithiyol Pānuṅgall=aynūgara kam-
- 36 paṇam Kundavura-mūvattara baḷiya bāḍam Kallavaṇamam śrī-Sōmanātha-  
 dēvargg=aṅga-bhōgakk=ā-chamdr-ārkkam sthāyiy=āgi
- 37 sarvva-namaśya(sya)mum sarvva-bādhā-parihāramum=āgi pāramēśvara-dattiy=āgi  
 tāmvra-śāsana-sahitam Mahēm-
- 38 drasōma-paṇḍitara kalam karechi dhārā-pūrvvakam māḍi biṭṭam | ☉  
 Ślōkam ☉ Sva-dattam para-dattam vā yō harēta vasu-
- 39 ndharām [\*] shasṭi[r\*]-varsha-sahasrāpi viṣṭhāyām jāyatō kṛimih || [15\*] Kam ||  
 Gaṁgā-sāgara-Yamunā-sam[ga]madoḷ kōṭi-kavi-
- 40 leyam brāhmaṇaram līngigalām sale puṇya-dinaṅgaḷol=alidavarga=appar-int=idan=  
 alidar || [16\*] ☉ Pratipālisidavargg=ananta-puṇya-phala ☉ ☉
- 41 Śrī-vadhu tanna pōr-uradol=udgha-jay-āṁgane tōḷol=oppe dhātri-vadhuv=ichhekārtti  
 kaḍugū(gu)tt-ire chāru-Chāḷukya-vamśa-rājiva-
- 42 vikāśan-ōllasita-chaṇḍakaram negardda(rda)m samasta-dhātri-valay-ēśan-Irmmaḍi-  
 Padirmmaḍi-Nūrmmaḍi-Taila-bhūbhū[ja]m || [17\*] Svasti samasta-bhuvan-ā-
- 43 śrayam Śrī-Pṛithvī-vallabha mahārājādhirāja paramēśvara paramabhaṭṭāraka  
 Satyāśraya-kula-tīlakam Chāḷuky-ābharanam śrī-
- 44 mat-Tailōkyamalla-dēvara vijaya-rājyav=uttarōttar-ābhivṛidhdhi-pravardhdha-  
 mā[n:]m=ā-chamdr-ārkkā-tāram barām saluttam-ire || Ta-
- 45 t-pāda-padm-ōpajivi ☼ Kādamba-kula-prabhava-prādurbhbbhavam Jayanti-  
 Madhukēśvara-dēv-ōḍita-vara-prasādan-ilā-dayita[m\*]maṇḍa-
- 46 lēśa Māvuli-Tailam || [18\*] Nareyaṅgal nele-vid=ene parigraham praje-  
 ga]=āpta-varggam paḷeyar-ppiriya śrīkarapaḍavar=vvēra-mamtri-
- 47 gal=ōndu poreyal=adyatan=āḍam || [19\*] Santāna-stham nṛipa-paḍaman-tāledum  
 dharmma-tatparam Taila-nṛipam mantapav=ōno paratr-ānanta-

of the engraver's tool. The grant is engraved on the inner sides of the first and last plates, and on both sides of the middle one. The plates are pierced by a circular hole in order to receive the ring and seal, which are attached. The ends of the ring are, as in the case of the plates of Ravivarman, soldered on to the back of a seal, which, in this instance, is oval in shape and bears a device. The seal has a raised rim, and inside this there is shown in low relief the figure of a quadruped (perhaps a horse) facing left. The weight of the plates, including the ring and seal, is 52 tolas. Each engraved side contains four lines of writing; there are thus sixteen lines in all. Excepting isolated letters which are worn away and now become partly illegible, the record is in a perfect state of preservation, and can be deciphered without any uncertainty.

The characters belong to the southern variety, and have close affinities with those of other grants of the Kadamba kings. They differ palpably from the characters of the grant of Ravivarman described above and appear to belong to a later palæographic epoch. The vowel *ā* in *nā* is written by bending back the last downward stroke in an upward direction; e.g. in ll. 2, 3, etc. One notices the tendency of the vertical lines to slope, a feature which later develops into the spiral formation of Haḷa-Kannaḍa letters. Noteworthy is also the doubling of the left limb of *g* (ll. 1, 2, 6, 8, etc.) and *ś* (ll. 4, 7, etc.). This record contains the earliest specimen hitherto known, in a southern alphabet, of the initial *ṛi* (l. 8). Initial *a* occurs in l. 5; initial *ā* in ll. 4, 6; initial *u* in ll. 11, 13; initial *ē* in l. 7; the sign of final *t* in l. 7, and final *n* in l. 11. One ligature, with the word containing it, has remained undeciphered in l. 10; I have never come across the sign anywhere before and can suggest no reading for it.—The language of the inscription is Sanskrit, and, with the exception of the imprecatory and admonitory stanzas at the end, the text is in prose. The main part of the text (ll. 1-11) forms a single sentence and states, like the foregoing grant of Ravivarman, without much circumlocution the object of the record. The attributes qualifying the donor are of the stereotyped form. In its brevity this record resembles the grant of Ravivarman described above.

The inscription is one of the *Dharma-Mahārāja* Krishṇavarman of the Kadamba family. The hitherto known records of the Kadamba dynasty have revealed the existence of two Krishṇavarmans in the family. And, as the present record neither gives the genealogy of this king nor mentions any circumstance which would help to establish his identity, it is difficult to affirm with certainty whether he is to be identified with either the one or the other Krishṇavarman already known, or whether he is a new king altogether; but on palæographic considerations this king may tentatively be identified with the second Kadamba king of that name, whose Bannahalli (now Halēbid) grant,<sup>1</sup> dated in the seventh year of his reign, has already been published. The grant proper records (ll. 6-11) that on the full moon day in the month of Kārttika, in the nineteenth year of his reign, Krishṇavarman granted Kamakapalli in the Girigada village (*grāma*) of the Karvannāḍa district (*vishaya*) to a Brāhmaṇa of the Vārāhi *gōtra*, named Sōma-svāmin, who was a student of the Ṛig-vēda, and a performer of the Soma sacrifice, making the village free from all taxes and dues.

To the proposed identification of the Krishṇavarman of our record with the Krishṇavarman of the Bannahalli grant it may be objected that the title *Dharma-Mahārāja*, which is here used along with the name of the donor, is not found coupled with the name of Krishṇavarman II. in any other record; thus, for instance, in the Bannahalli grant itself, which is dated in the seventh year of the reign, only the shorter title *Mahārāja* is prefixed to Krishṇavarman's name. On the other hand, the earlier Krishṇavarman is invariably styled *Dharma-Mahārāja* in the preambles of the later Kadamba grants. The objection is not valid; for it should be noted that Krishṇavarman I. was, according to all accounts, performer of a

<sup>1</sup> *Ep. Ind.*, Vol. VI, p. 18 and plate.

- 48 *sukhakk=elasi puṇya-bhājanan=ādam* || [20\*] *Anta katipaya-samvatsaram tad-*  
*rāja-lakshmiyan=alamkaris-irddu Kādamba-kaṇṭhiravam Tailaha-*
- 49 *dēvaṃ Sōmanātha-dēva-darśana-vrata-prabhāvadiṇḍ-ire* || *Asi-dhārā-vratamam*  
*sādhisi jaya-vadhu vāpi bāpa-mukhamam sale*
- 50 *sādhisi baṇḍu bhujadol=āsyadol=esed-irppa* *Vira-Pāṇḍya-bhūpālakana* || [21\*]  
*Ā mahū-maṇḍaḷēśvaram Puligere-nāḍa manneyama-*
- 51 *n-āld-arasu-goyyutt-ire* || ☉ *<sup>1</sup>Purikara-dēśamumam baṇḍhuratara-Banavāse-*  
*dēśamam mēl-āḷke nirantaram=āgal=āldan=atidurdhdha-*
- 52 *ra-dhairyyam daṇḍanātha-Mahadēvarasam* || [22\*] *Ā prachanda-daṇḍanāthana*  
*besadim Puligere-nāḍam Biddam(dda)rasa-daṇḍanāthanum mahāpra-*
- 53 *dhān-ōttaman=Attirājanum=āldar=avara prabhāvam=ent=ene* || *Kam* || *Eraḍam*  
*nudiyada saṅgara-dhareyo! beṁ-guḍada para-*
- 54 *vadhū-kēliyan=ācharisada peṁpinoḷ=āvam dore parikise Biddarāja-daṇḍādhapanoḷ* ||  
 [23\*] *Madhura-vachō-Vāchahpa-*
- 55 *ti vidhu-viśada-yasam vinūta-shūḍgunya-nay-āmbudhiy=emdoḷ=itarar=eneyō pradhāna-*  
*sēnādhipatyan=Attiparāja* || \* 24\* ||
- 56 ☸ *Svasti samasta-prasasti-sahitam śrīman-mahūmaṇḍaḷēśvaram Māvuli-Tailaha-*  
*dēvaṃ Sōmanātha-dēva-darśa(rśa)na-vrat-ō-*
- 57 *dyāpan-ārttham śrīmad-rājadhānī-paṭṭanam Puligerege baṇḍu Sōma-dēva-pada-*  
*nakha-mayā[kh-ō\*]llēkha-lēkh-āpagā-pravāha-*
- 58 *dim pavitrikṛita-śarīran=āgi kshīra-dhārā-pūradim sahasra-gaddugeyam koṭṭu*  
*dēvarggo munnam tamm=ajjam Piriya-Tailaha-dēvaṃ*
- 59 *[b]iṭṭa dēva-bhōgam Kallavaṇamam punar-ddattiy=āgi svasti śrīmach-Chālukya-*  
*Trailōkyamalla-dēva-varshada 3ney=Āṅgira-samvatsarada*
- 60 *[P]ushya-śuddha 8mi Sōmavārav=uttarāyana-samkramana-vyatīputam kṇḍida puṇya-*  
*tithiyol śrī-Svayambhu-Dakṣiṇa-Sōmanā-*
- 61 *tha-dēvargg-aṅga-bhōgakke Kal[ḷ]avanada mē[l-ā]ḷke manneyam kapikey=āya-*  
*dāya-kīru-kula-sahitam sarvv-āya-śudhdhiy=āgi pūrvva-da-*
- 62 *tī-kramadala sarvva-namaśya(sya)mun sarvva-būdhū-parihāram=āgi alliya sthān-*  
*āchāryyam Jñānasōma-paṇḍita-dēva-*
- 63 *[ra kā]lam karchohi dhārā-pūrvvakam māḍi Pānumgall-aynūrara prabhu-*  
*gāvundugalum śrīkaraṇa-pradhāna-sēnādhipati-sahitam Naroyam-*
- 64 *galla nele-vidinoḷ=irddu tad-grāmamam biṭṭa* || *Svasti śrīmach-Chālukya-*  
*Trailōkyamalla-varshada 4neya Śrīmukha-samvatsarada Chai-*
- 65 *trad-amavāśo(se) Sōmavāradamdu Hānumgall-aynūrara daṇḍanāyakam Pākarasa-*  
*num śrīkaraṇaṅgalum śrī-Sōmanātha-dō-*
- 66 *vara nam(ni)tya-nandā-divigege Hānumgall-aynūrara grām-ānugrāmadalu praty-*  
*ōkam biṭṭa paṇav=omdu* ☉ *Vri* ☉ *Tanag=ūrādhiyam [t]r[i]-*
- 67 *[i]ōkī-pati vibudha-nutam Sōmadēv-ādhipa[m] saj-janakam M[ā]hēmdrasōmam*  
*janani vinūta-chūritro tām Māliyakkam vinay-āḷamkāroy=ōm*
- 68 *dhan[y]ano guṇa-gaṇa-vārāsi-[sa]mpūrp[n]a-sōmam muni-samtān-ōtpaḷ-ō[—]ita-<sup>2</sup>*  
*vipula-lasat-sōman=i Jñānasōmam* || [25\*] ☉ *Śloka* ☉ *Ba-*
- 69 *hubhir=vvasudhā dattā rājibhis=Sagar-ādibhir-[\*]yyasya yasya yadā bhūmis=tasya*  
*tasya tadā phalam* || \* 26\* || ☸ *Bhū-vinutam rūvāra-ka-*
- 70 *lā-vida-Jinnōjan=agra-putram Chēvaṃ kēvalame savaṇ=ballara dēvaṃ Rājōjan-*  
*ivargal=esedar=dhdhareyo!* || \* 27\* || ☸ *Rājōjana kaṇḍarane* ☉ ☸ ☉

<sup>1</sup> The second *pāda* of this verse will not scan. [If *nam* of the word *dēśamam* is dropped, the difficulty disappears. In this case *dēśa-mēl-āḷke* must be written together.—H. K. S.]

<sup>2</sup> The ink-impression is here very indistinct; the traces suggest *-ōjvāṭitā-*.

horse-sacrifice. If our Krishnavarman is to be identified with this king, how are we to explain the silence of the record regarding the sacrifice said to have been performed by him? On the other hand the expression *asva-mēdh-abhishikta*, herein applied to the Kadambas as a class, shows that in the time of our Krishnavarman the epithet *asva-mēdh-yājīn* had become a hereditary title of the Kadamba family, a fact which can be explained only on the assumption that some prolonged interval of time separates the actual performer of the sacrifice from our Krishnavarman. Moreover, there is at least one other instance of the indiscriminate use of the titles *Mahārāja* and *Dharma-Mahārāja*, namely, in the case of Mṛigēśavarman. Both titles are found used in connection with this king in his epigraphic records.<sup>1</sup>

A word may be added regarding the localities mentioned in the record. The object of the grant is stated to be *Kamakapalli*, situated in the *Girigaḍa* village (*grāma*) of the *Karvan-nāḍga* district (*vishaya*). None of these places can be identified with certainty. Mr. Hegde, owing to whose good offices the plates were made available for publication, is a resident of Sirsi and has favoured me with the following topographical details, which throw some light on the question. He writes: "Sirsi *tāluka* (which used to be called *Suṣṭā tālukā*) was formerly divided into a number of *māgaṇe*, each of which consisted of a number of villages. One of such *māgaṇe* went by the name of *Karūr māgaṇe*, deriving its name from *Karūr*, a village included in the *māgaṇe*. Another such village was called *Girigaḍe*. Both these villages still bear the same names." The proximity of *Girigaḍe* to *Sirsi* favours the identification of the former with the *Girigaḍa* of the plates, which, as stated above, come from *Sirsi* itself. Also, in regard to the great and often inexplicable changes which many place-names have undergone, the identification of *Karvannāḍga* with *Karūr* is not an impossible proposition.

TEXT.<sup>2</sup>

[Metre of the two verses in ll. 14-15: *Śloka (Anuṣṭubh)*.]

## First Plate.

- 1 स्वस्ति [॥\*] विजयवैजयम्या<sup>3</sup> स्वामिमहामेनमा<sup>4</sup>तुग-
- 2 यानुध्याता(ना<sup>2</sup>)श्चमेधाभिषिक्ताना<sup>5</sup> मानव्यासगोपाण[१]<sup>6</sup>
- 3 हारितिपुत्राणा<sup>7</sup> प्रतिकृतस्वाख्यायचर्चापाराणा<sup>8</sup>
- 4 आश्रितजनाम्बाना<sup>9</sup> कदम्बाना<sup>9</sup> श्रीकृष्णवर्मधर्ममहा-

## Second Plate; First Side.

- 5 राज[:\*] अनेकजम्मा[न्त]रोपा[र्जि]तविपुलपुण्यस्तम्भ[:\*] बहुसम[र]-
- 6 विजयसमधिगतयशोराज<sup>10</sup>श्री[:\*] आत्मनः<sup>11</sup> <sup>12</sup>प्रविर्हमानविज-

<sup>1</sup> Kielhorn's *List of Inscriptions of Southern India*, Nos. 604 and 605.

<sup>2</sup> From the original plates and a set of impressions.

<sup>3</sup> Read न्या. [The author may have meant this word to be in the ablative case. Cf. *Vijaya-Skandhāvārāt* of other inscriptions.—H. K. S.]

<sup>4</sup> The length of *mā* is added at the top of the *akṣhara*.

<sup>5</sup> Read °ज्ञाना मानव्यस°.

<sup>6</sup> The length of *mā* is added to the constricted part of the *akṣhara*. Read °मानव्यसगोपाणा°.

<sup>7</sup> Read हारि.

<sup>8</sup> The Ravivarman plates above read प्रतिकृति. Read पराणा. Here, and in other places below, the rules of *sandhi* have not been observed.

<sup>9</sup> Read न्या.

<sup>10</sup> The insertion of the *visarga* is an afterthought.

<sup>11</sup> Read अत्.

<sup>12</sup> Read प्रविर्ह°.

## TRANSLATION.

(Verse 1.) Victorious ever is he who is composed of accumulated bliss, of knowledge, and of power, from whose mere will arose all the . . . worlds.

(Verse 2 : identical with verse 1 of inser. A. above.)

(Verse 3.) May [the god Sōmanātha of] the South, who is known as Abhaya [Śiva], embellishing the fortune of the blest city **Purikara**, causing weal in both spheres of existence, [bless] the worshippers of his feet.

(Verse 4.) Nandi, the Mountain's Daughter, the diadem moon, the tall pile of braided locks, all this the excellent **Svayambhu** [bestowed upon] the noble (*scions*) of the **Chaluki** lineage.<sup>1</sup>

(Verse 5.) An ornament of the blest **Chalukya** lineage, a *jagadala* against hostile kings, an embellishment of the whole earth, incomparable in majesty, is king **Pormāḍi** . . .

(Verse 6.) Like the ocean perfectly protecting numbers of families of *kubhrit* [kings, or mountains] who came to him for refuge, king **Tailapa** ruled the earth, then king **Satyāśraya**, [then] the blest king **Vikrama** most lofty in dignity, a frontal decoration of the lady [the . . . **Chalukya**] lineage.

(Verse 7.) Swiftly (?) . . . by his boldness having driven to flight the **Chōla**, by his strokes the incomparable king **Vikramāditya** overwhelmingly crushed the **Nēpāla** monarch, burned the **Gurjara** sovereign's brilliant city [so that it was . . .] lustreless (?) smoke, in indignation tore up and flung away the roots of banded sovereigns.

(Lines 10-12.) While the [victorious] reign of . . . <sup>2</sup> king **Tribhuvanamalla** was advancing in a course of successively increasing prosperity, (*to endure*) as long as moon, sun, and stars :—One who finds sustenance at his lotus-feet—

(Verse 8.) [Ruler of the city (?) of] **Banavāsī**, devoted to the worship of the universally adored lotus-feet of **Madhukēśa** the lord of the faultless city of **Jayanti**, eager for mighty battle, is **Taila**.

(Verse 9.) His father was king **Sānta**, skilled in shattering . . . ; his mother forsooth was the latter's chief queen **Śriyā-dēvi**, perfect in righteousness ; the group of princes consisting of king **Taila**, **Māvuli**, **Chōki**, and **Bikki** are rich in fame : what righteousness is that of the blest prince **Taila**, who has worthy uncles and father !<sup>3</sup>

(Verse 10.) Reigning undisturbedly like **Bali** over his country, being known as a true hero, one who is stained with the red hue of the bright minium lying thick upon the temples of the elephants of the sky-quarters, mighty of splendour, the **Kādamba** lion who shatters proud foes has made the circle of earth free from obstruction, so that many praise him.

(Lines 17-24.) Hail ! the **Mahā-Maṇḍalēśvara** who has obtained the five great musical sounds, who has all the titles of honour such as " lord of **Banavāsī** best of cities ; receiving the grace of boons from the god **Madhukēśvara** of **Jayanti** ; naturally scented with musk ; ornament of the race of the **Kādamba** emperor the great king **Mayūravarma**, which is sprung from the Three-eyed [Śiva] and Earth, presides over eighty-four towns, is consecrated in the consecratory rites of eighteen world-renowned horse-sacrifices to the (*God of the*) Frontal Eye [Śiva] and the Four-armed [Vishṇu], binds its furious elephants to great crystal pillars crowning the massive peaks of the lord of mountains **Himavat**, and is delightful in its great majesty ; he who is attended by the noise of *permaṭṭi* drums and

<sup>1</sup> [It looks as if the verse meant to say that **Svayambhu** with **Nandi** etc. might confer blessing on the **Chaluki** lineage.—H. K. S.]

<sup>2</sup> Supply the usual **Chalukya** formula, as above, inser. A., l. 2 ff.

<sup>3</sup> [*Kaṇṭya-janakar* is 'uncles,' not 'uncles and father.'—H. K. S.]

i.  
 2 4  
 6 8 10  
 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100

ii a.  
 6 8 10  
 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100

ii b.  
 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100

iii.  
 18 20 22  
 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100

(other) musical instruments ; brilliant with a banner (having the device) of a great ape ; having as crest a lion lofty in pride ; bestowing gold on the needy ; causing victory in strife ; ornament of the **Kadambas** ; man of might against adversaries," the **Mahā-Maṇḍaḷśvara Tailahadevarasa**, while royally controlling with the internal authority of the *tribhōga*<sup>1</sup> the **Five-hundred of Pānuṅgallu** so as to suppress the wicked and protect the superior, being in the enjoyment of pleasant conversations at the standing camp of **Pānuṅgallu** :—

(Verse 11.) To speak of all the hillocks, the crowd of temples, all the lines of valleys, the lotus-pools in the waters filling the multitude of brilliant ponds, likewise all the earth adorned therewith, the bright parks of sandal-trees—verily the aspect of **Purikara** town is a charming sight for the world.<sup>2</sup>

(Line 26.) There, moreover :—

(Verse 12.) In the joyous offering of consecrated rice-grains one after another a *koḷaga*<sup>3</sup> is filled up<sup>4</sup> ; hence I know not how to celebrate (*fittingly*) the magnitude of the famous eminence of the Phallus of Śiva.

(Verse 13.) The Self-born assumed a unique natural form made without turning of the lathe, without graving, without separation, without craftsmanship ; **Sōma of the South** there condescended to burst forth out of the ground.

(Lines 28-29.) The Prior of the establishment of the god **Mahā-svayambhu-Sōmanātha**, who has thus been described :—

(Verse 14.) There flourished a seat of pious observances, a tree of desire to the lineage of all great ascetics, a servant in **Daśavarman's** court (?)<sup>5</sup>, the cleric **Mahēndrasōma Paṇḍita-dēva**.

(Lines 30-38.) So **Mahēndrasōma Paṇḍita-dēva**, most reverend in devotion to calmness, self-control, the major and the minor disciplines, having taken unguents of saffron and bland sandal and fragrant scents prepared for [that decorated.—H. K. S.] the worship of the divinely blest feet of the most noble god **Sōmanātha**, and likewise rice-grains left over from his sacred meal [grace.—H. K. S.], went to **Pānuṅgallu** and pronounced a blessing upon the **Mahā-Maṇḍaḷśvara** king **Tailaha**, who, realising with extreme joy the singular qualities of both the establishment and the deity, said "Let us give to the god **Sōmanātha** for his personal enjoyment a town in our province," and having thus reflected, in concert with the treasurers, ministers, and generals, on a holy lunar day on which **Sunday, the 13th of the bright fortnight of Pushya in the cyclic year Sarvajit, the 32nd of the Chālukya-Vikrama era**, occurred together with the *uttarāyana-samkrānti* and a *vyatīpāta*, laved the feet of **Mahēndrasōma Paṇḍita** and with pouring of water granted as an imperial gift, together with a copper-plate charter, the town **Kallavaṇa** in the **Kundavura Thirty**, a county of the **Five-hundred of Pānuṅgallu**, for the personal enjoyment of the god **Sōmanātha**, in perpetuity for as long as moon and sun endure, on *sarva-namasya* tenure with immunity from all conflicting claims.

(Verse 15 : a common Sanskrit formula.)

(Verse 16 : a similar Kanarese stanza.)

(Line 40.) For them that preserve (*this foundation*), fruit of endless merit.

<sup>1</sup> See *Ind. Ant.*, Vol. XIX, p. 271.

<sup>2</sup> ["All hills are abodes of gods, all valleys are lotus-tanks and ponds and all the earth is one bright park of sandal trees."—H. K. S.]

<sup>3</sup> A measure of capacity, the Sanskrit *dhaka*, equal to 4 *baḷlas*.

<sup>4</sup> ["One consecrated grain of rice offered with joy, grew into a *koḷaga*." This seems to be the famous eminence of the Phallus which the poet wants to describe.—H. K. S.]

<sup>5</sup> [Probably *Daśavarma-uraja* is an order of ascetics.—H. K. S.]

i.

2  
4  
2  
4

ii a

6  
8  
6  
8

ii b.

10  
12  
10  
12

iii.

14  
16  
14  
16



(Verse 17.) There has become eminent a brilliant sun bringing to bloom the lotuses of the fair **Chalukya** lineage, a lord of the whole circle of earth, king **Irmadi-Pudirmadi-Nūrmadi-Taila**,<sup>1</sup> on whose broad breast appears the lady **Fortune**, on whose arm (*appears*) the noble lady **Victory**, to whom the lady **Earth** is an amorous leman.

(Lines 42-45.) While the victorious reign of . . .<sup>2</sup> king **Trailōkyamalla** was advancing in a course of successively increasing prosperity, (*to endure*) as long as moon, sun, and star :—One who finds sustenance at his lotus-feet—

(Verse 18.) **Māvuli-Taila**, the Viceroy beloved of Earth, whose origin derives from the **Kādamba** race, (*and*) to whom arises grace of boons from the god **Madhuka**, son of **Jayanti**,

(Verse 19.) thinking of (*his*) possession, to wit the starting camp of **Narayaṅga**, (*his*) subjects, the band of (*his*) friends, the elders, the senior treasurers, the excellent ministers, has been solicitous to strengthen (*them*).

(Verse 20.) Standing in the line of succession and holding the royal rank, devoted to right eousness, king **Taila** has sought for unending bliss in the next world—oh, what a design!—and become a vessel of holiness.<sup>3</sup>

(Lines 48-49.) So after having for several years adorned the fortunes of that realm, the **Kādamba** lion king **Tailaha**, being in the glory of the festival of visitation of the god **Sōmanātha** :—

(Verse 21.) The lady **Victory**, accomplishing the vow of the sword-edge,<sup>4</sup> and the goddess of Speech, surpassing the point of an arrow,<sup>5</sup> have come and displayed themselves (*respectfully*) upon the arm and in the mouth of king **Vīra-Pāṇḍya**.

(Lines 50-51.) While this **Mahā-Maṇḍalēśvara** was royally administering the seigniorship of the **Puligere** county :—

(Verse 22.) The General **Mahādēvarasa**, most irresistible in valour, was administering the land of **Purikara** and the land of mostauteous **Banavāse** in perpetual superior control.

(Lines 52-53.) Under the command of this august General, the General **Biddarasa** and the noble High Minister **Attirāja** were administering the county of **Puligere**. As generals their dignity—

(Verse 23.) In (*his*) greatness in speaking not two (*things*),<sup>6</sup> in turning not his back on the field of battle, (*and*) in holding not amorous sport with others' wives, when one considers, who is equal to the General **Biddarāja**?

(Verse 24.) As he is known as a **Vachaspati** [Brahman] of sweet speech, a possessor of moon-bright glory, an ocean of policy according to the famous six qualities,<sup>7</sup> are there others equal (*to thee*), senior General **Attiparāja**?

(Lines 56-64.) The **Mahā-Maṇḍalēśvara** king **Māvuli-Tailaha**, having come to the capital town **Puligere** in order to spend the festival of visitation of the god **Sōmanātha**, purified his body in the stream of the high flashing **Celestial River** consisting of the rays from the god **Sōma's** toe-nails, and gave a thousand aspersions with streams of milk and water, and renew-

<sup>1</sup> Literally, "twice, twelve times, a hundred times a Taila."

<sup>2</sup> Supply the usual **Chalukya** formula, as above.

<sup>3</sup> [The words *santāna* and *mantāna* (for *mantāna*) seem to be used here in the sense of "progeny" and "honorable race."—Ed.]

<sup>4</sup> See *Ind. Ant.*, Vol. XVII, p. 322. The sense is that victory is obtained under extreme difficulties.

<sup>5</sup> Namely in keenness and swiftness. [A probable reference to the poet **Bāṇa** and his work is intended.—Ed.]

<sup>6</sup> This is a variation of the common epithet *śha-vākya*, "uniform in speech."

<sup>7</sup> *Shāḍguṇya*, the six modes of conduct of a military commander, viz. *vanthā* (peace), *yanthā* (war), *yāna* (travel), *āsana* (resting), *dvaidhībhāva* (causing separation of enemies), and *sah-sāya* (making alliance).

7 यसंवत्सरे<sup>1</sup> एकूनविंशे कार्तिकपौर्णमास्या<sup>2</sup> वारा-

8 हिसगीचाय ऋग्वेदप[1\*]रगाय यमनियम-

*Second Plate; Second Side.*

9 पराय सोमस्वामिने सोमयाजिने कर्ष्वन्नाङ्गविषये<sup>4</sup>

10 गिरिगडग्रामे कमकपत्तिं सर्वपरिहारं सम . .<sup>5</sup>

11 सहिरण्यं स्वमातृपितृपुण्यार्थं उदकपूर्व्यं दत्तवान<sup>6</sup> [11\*]

12 योस्याभिरक्षिता स पुण्यफलभाग्भवति यथाप-

*Third Plate.*

13 इत्ता स पञ्चमहापातकसंयुक्तो भवति [11\*] उक्तश्च [1\*] 'वहुभि[:\*]

14 वसुधा भुक्ता राजभि[:\*] सगरादिभि[:1\*] यस्य यस्य यदा भू-<sup>8</sup>

15 मि[:\*] तस्य तस्य तदा फल<sup>9</sup> [11\*] स्वदत्ता<sup>10</sup> परदत्ता<sup>10</sup> वा यो हरेत

16 वसुधरा<sup>11</sup> [1\*] षष्टि<sup>12</sup> वर्षसहस्राणि विष्टाया<sup>13</sup> जायते क्रिमि:<sup>14</sup> [11\*].

#### TRANSLATION.

(Line 1.) Hail! At (the city of) victory, Vaijayanti, the *Dharma-Mahārāja*,<sup>15</sup>—(of the family) of the *Kadambas*, anointed during a horse-sacrifice<sup>16</sup> after meditating on Svāmi-Mahāsēna and the assemblage of the Mothers; belonging to the *Mānavya gōtra*; descendants of Hārīti; studying the requital (of good and evil) as their sacred text<sup>17</sup>; and looking to the Mothers of Mankind for protection,—the glorious *Kṛishṇavarman*, who during countless births has accumulated an abundant store of religious merit, who has gained fame and the fortune of royalty by virtue of successes in many battles, in the nineteenth year of his prosperous

<sup>1</sup> The final *t* is written below the line.

<sup>2</sup> Read एकूनविंशे.

<sup>3</sup> Read ह्य. The length of *mā* is added at the top of the *akshara*.

<sup>4</sup> [The last syllable of the name of the district appears to be *ṣ*, not *ṣ*.—H. K. S.]

<sup>5</sup> The last but one *akshara* remains undeciphered; the very last one of the line is either *va* or *cha*, with or without an *anusvāra*. [In my opinion the unread letter is *ṣkā*; and *maṣkāva*, like *hiraṇya*, must be a technical term indicating some source of village income. In the Nilambūr plates of Ravivarman (text l. 8) the same term occurs in the form *maṣkāvu* and Mr. T. A. Gopinatha Rao has taken it as the name of a hamlet.—H. K. S.]

<sup>6</sup> The final *n* is written below the line.

<sup>7</sup> Read ऋ.

<sup>8</sup> The sign of the secondary *ā* seems to have been also added erroneously to *bhū*.

<sup>9</sup> Read फल.

<sup>10</sup> Read दत्ता.

<sup>11</sup> Read वसुध.

<sup>12</sup> Read षष्टि.

<sup>13</sup> Read विष्टा.

<sup>14</sup> Read क्रिमि.

<sup>15</sup> Here used as a title. Its literal meaning is 'the *Mahārāja* who is devoted to performance of duty (*dharma*).'

<sup>16</sup> An ancestor of the donor of the present grant is spoken of as having performed a horse-sacrifice; cf. the Rannahalli plates of *Kṛishṇavarman II.*, ed. Kielhorn, *Ep. Ind.*, Vol. VI, p. 18, l. 5.

<sup>17</sup> I have adopted Kielhorn's rendering of the difficult phrase *pratikṛita*, and may refer the reader to his note on the subject, *Ep. Ind.*, Vol. VI, p. 15, note 3. [The next attribute. अग्रितजनानां has been translated by Mr. Gopinatha Rao, perhaps more correctly, 'who were (like unto) mothers to people (who were) dependent (on them)', above, Vol. VIII, p. 148.—H. K. S.]

ing the gift of the sacred usufruct of Kallavaṇa previously granted to the god by his grandfather king Tailaha the elder, he, while staying in the standing camp of Nareyaṅgalla in company with the sheriff and *gāvaṇḍu*s of the Five-hundred of Pānuṅgalla, the treasurers, the ministers, and the generals, laved the feet of Jñānasōma Paṇḍita-dēva, the prior of the local establishment, and with pouring of water, on a holy lunar day on which Monday, the 8th of the bright fortnight of Pushya in the cyclic year Āṅgira, the 3rd of the Chaṭukya king Trailōkyamalla's (regnal) years, occurred together with the *uttarayana-samkrānti* and a *śatipāta*, granted for the personal enjoyment of the god Svayambhu-Somanātha of the South the same village, including the superior control and seigniorial rights over Kallavaṇa, benevolences, prescriptive fees of office, gifts, and petty dues, with right to all prescriptive fees, according to the precedent of the previous gift, on *sarva-namasya* tenure with freedom from all conflicting claims.

(Lines 64-66.) On Monday, the last day of Chaitra in the cyclic year Śrīmukha, the 4th of the Chaṭukya Trailōkyamalla's (regnal) years, Dākaraśa, General (in charge) of the Five-hundred of Hānuṅgalla, and the treasurers granted for the regular perpetual lamps of the god Somanātha one *paṇa* from each of the villages and hamlets of the Five-hundred of Hānuṅgalla.

(Verse 25.) The (god) worshipped by him is Sōma the Lord of Gods, sovereign of the triple world, praised by sages [or, celestials]; his good father is Mahēndrasōma; his mother is Māliyakka, renowned for her conduct, adorned by refinement: how fortunate is this Jñānasōma, a full moon (*sōma*) to the ocean of all virtues, a . . . ample brilliant moon to the lotuses the lineage of holy men.

(Verse 26: a common Sanskrit formula.)

(Verse 27.) Chāva, the eldest son of the world-famed skilled engraver Jinnōja, a perfect Jain, (and) Rājōja, a god of the cunning,—these have become renowned on earth.

(Line 70.) The engraving of Rājōja.

### C.—OF THE REIGN OF JAGADEKAMALLA II: THE 10TH YEAR.

This is on a slab with a rounded top containing sculptures, namely a *linga* on a stand in the centre, with a squatting bull to the proper right and a cow suckling a calf to the proper left; apparently there is a scimitar over the latter, and on the top are the sun (on proper right) and moon (on left). The inscribed area below this pediment consists of three parts. The first (containing lines 1-2 of text) is about 1 ft. 7½ in. wide and 2 in. high; the second (lines 3-17) is about 1 ft. 10 in. wide and 1 ft. 3 in. high; the third (lines 18 to end) is of about the same width and 3 ft. 11 in. high.—The character is a very good Kanarese of the period. The average height of the letters in the first half of the inscription is about ½ in.; after this they begin to decrease, and towards the end average only about ¼ in.—The language is Old Kanarese, with formal Sanskrit verses (Nos. 1, 32) and a Sanskrit phrase (ll. 60-61). It is not certain whether the *avagraha* denotes, as in pure Sanskrit, a completely vowelless consonant, or whether the vowel *u* was inserted there; the spelling of °*dyad-yaśō-rjitan* in l. 20, where the second *d* is written with *avagraha* and is followed by *ya*, suggests that the *d* represents *du*.<sup>1</sup> The *upadhāntya* is used in *Bṛihaṣpati* (l. 56). The archaic *ḷ* appears as *r* in *negardam* (l. 4); elsewhere it has become *ḷ*. The treatment of initial *p* in Kanarese words is inconsistent: in verse it usually remains, yet we find *hore* (l. 13), *hūṅgidud-* (l. 13), *hal* (l. 48), *hom* (l. 48), and in prose we have *pannir*<sup>2</sup> (l. 26), *Puligege* (ll. 50, 64), *paḍedu* (ll. 52, 55), beside *hatta-* (l. 52), *hola*<sup>3</sup> (ll. 53, 58, 60), *hāla* (ll. 58-9), *horeya* (l. 59), and *haḷla*<sup>4</sup> (l. 59). The archaic ending of *āvam* (l. 37) is noteworthy. As lexically interesting we may notice *stambēra* (l. 20), apparently formed *metri grātā* as a variant of the regular *stambērama* by the analogy of °*ya*

<sup>1</sup> On this point see my remarks on the Mādaḡhāḷi inscription, above, Vol. XV, p. 319.

(reign) of victory, on the full-moon (day) of Kārttika,<sup>1</sup> for the religious merit of his father and mother, has given with pouring-out of water, with gold, (income) and . . . (and) with every exemption, Kamakapalli in the village (grāma) of Girigaḍa in the district (vishaya) of Karvvannāḍga to the Sōma sacrificer Sōma-svāmin, belonging to the Vārāhi gōtra, who has completely studied the Rīg-vēda and who follows (the moral and ethical duties known as) yama and niyama.

(Line 12.) He who shall protect this (charity) will share in the merit (attaching to the making of it); and he who shall confiscate it will be (guilty) of the five great sins.

[Here follow two of the customary admonitory verses.]

No. 20.—GARRA PLATES OF THE CHANDELLA TRAILOKYAVARMAN:  
[VIKRAMA]—SAMVAT 1261.

By K. N. DIRSHIT, M.A., CALCUTTA.

These plates were found in a tank near the village of Garra, to the south-east of Chhatarpur, capital of the Indian state of the same name in Bundelkhand, and were subsequently sent to me for decipherment and publication through the kindness of Pandit Shukdeo Bihari Misra, B.A., Dewan, Chhatarpur State. Being considerably corroded when first received by me, the plates were thoroughly cleaned, and impressions were taken from them, which are published in the accompanying plate. They are now exhibited on loan in the Provincial Museum, Lucknow.

The plates are two in number. Each is a complete record by itself, engraved on only one side. They measure  $13\frac{1}{4}$ " by  $8\frac{1}{4}$ " and  $12\frac{3}{4}$ " by  $7\frac{7}{8}$ " respectively. A small hole (dia.  $\frac{3}{8}$ ") at the top shows that at one time a ring must have been attached to the plates. Below the ring-hole, and dividing the first four lines of the inscription just in the centre of each plate, is engraved a seated figure of the goddess Lakshmi, with four arms, the upper two holding lotuses. On both the copper-plates the writing has been protected by means of copper bands,  $\frac{3}{8}$ " in breadth and from  $\frac{1}{8}$ " to  $\frac{1}{4}$ " in thickness, rivetted along the edges. The letters are generally well preserved; but here and there a few letters are concealed by the protecting band, and at the bottom of plate II a portion has been damaged and lost, though the lacunæ can be easily supplied. The plates weigh 124 and 122 *tolās* respectively.

The alphabet is Nāgarī, regular for the period and locality to which the record belongs. The sharp angular forms of letters, found in many inscriptions of the twelfth century, give place here to more rounded ones. The identity of the signs for *va* and *ba*, the similarity of the forms of *va*, *cha*, *dha* and *ra* and similar palæographical peculiarities have been noticed before in documents of this period (cf. Semra, plates of Paramardi-dēva; *Ep. Ind.*, IV, 153 ff.).<sup>2</sup>

The language is Sanskrit. Both the inscriptions are in prose throughout, excepting a verse each at the beginning and the end. Regarding orthography there is little to note. The influence of the vulgar pronunciation is reflected in the promiscuous use of *sa* and *śa*, *va* and *ba*. Most of the consonants following *r* are doubled. Rules of *Samdhī* are often violated, and a final consonant is not marked with the *virāma*, as *t* in *samvat* (I. 9 f.).

<sup>1</sup> The full-moon day of Kārttika, as a day on which donations were made by the Kadamba kings, is mentioned also in the Nilambūr plates of Ravivarman (*Ep. Ind.*, Vol. VIII, p. 146) and the Halsi plates of Mṛigēśavarman (*Ind. Ant.*, Vol. VI, p. 24).

<sup>2</sup> [The form of *t* deserves notice as pointed out by Mr. Y. R. Gupta. It differs from that of the Semra plates, line 1, and is more progressive, giving us thus the earliest form of the modern Dēvanāgarī *t*.—Ed.]



The records belong to the well-known Chandella dynasty of Bundelkhand, called Chandrā-trēya in the inscriptions. Opening with a panegyric of the family, they next refer to Jayaśakti and Vijayaśakti, two early heroes of the family, and proceed to describe the grant of two villages by the *Parama-bhaṭṭāraka Mahārāj-ādhirāja Paramēśvara*, the glorious Trailōkya-varma-dēva, who meditated on the feet of the P. M. P. Paramardi-dēva, who meditated on the feet of the P. M. P. Madanavarma-dēva. Encamped at a place called Vaḍavāḍa, the king Trailōkyavarma-dēva granted the village of Kādōhā in the Pāṇiūli territory (*vishaya*) on Friday the second (*tithi*) of the bright fortnight of Vaiśākha in Saṃvat 1261 by the first copper-plate and the village of Lōhasihāṇi in the Vikraunī<sup>1</sup> territory (*vishaya*) on Friday the second (*tithi*) of the dark fortnight of Vaiśākha in Saṃvat 1261 by the second copper-plate. In both grants the donee was the Rāūta Sāmanta or Sāvanta of the Bhāradvāja gōtra, son of Rāūta Pāpē, who was killed at Kakaḍādaha in a battle with the Turushka (Turks), grandson of Rāūta Sahanapāla and great-grandson of Rāūta Raṇapāla. The object of the grants is unusually interesting, being the bestowal of villages 'by way of maintenance for death,' unquestionably that of the father of the donee, on the field of battle.

As regards the equivalents of the dates given in the records, we find—

(1) Saṃvat 1261, Vaiśākha Sudi 2, Śukra

Northern Vikrama current: Tuesday, 15th April, 1203.

Northern Vikrama expired: Saturday, 3rd April, 1204.

Southern Vikrama expired: Friday, 22nd April, 1205.

(2) Saṃvat 1261, Vaiśākha Vadi 2, Śukra

Northern Vikrama current:—

Paurṇimānta: Monday, 31st March, 1203.

Amānta: Tuesday, 29th April, 1203.

Northern Vikrama expired:—

Paurṇimānta: Friday, 19th March, 1204.

Amānta: Sunday, 18th April, 1204.

Southern Vikrama expired:—

Paurṇimānta: Tuesday, 7th April, 1205.

Amānta: Friday, 6th May, 1205.

The first date is thus Friday, 22nd April, 1205 A.D.; the second may be either Friday, 19th March 1204, or Friday, 6th May, 1205. But, as all our evidence points to the fact that the two grants must have been recorded almost simultaneously, we are justified in believing that the former solution must be rejected and Friday, 6th May, 1205 A.D., must be the true equivalent of the second date. We thus have here instances (which are comparatively rare) of North Indian epigraphical dates calculated as southern expired Vikrama years, with amānta months (vide *Ind. Ant.*, Vol. XIX, pp. 181-2).

The present records give us the earliest known dates for Trailōkyavarman, the only certain inscription of his so far known being dated eight or nine years later.<sup>2</sup> On the other hand, our dates bring us within two years of the date of the death of Paramardi, Trailōkyavarman's predecessor, and the fall of Kālanjar and Mahoba (April 1203 A.D.). Let us see whether the present records throw any light on the fortunes of the Chandellas after the disaster which overtook them in 1203.

Mr. Vincent Smith observes in his paper on the History and Coinage of the Chandel Dynasty (*Ind. Ant.*, 1908, p. 146) that the history of the Chandel dynasty, as one of the powers of

<sup>1</sup> [The reading does not seem quite clear: should it be *Vidūni*?—F. W. T.]

<sup>2</sup> Cunningham, *A. S. Reports*, Vol. XXI, p. 50.

Twelve-thousand (l. 26); the Hānuṅgallu Five-hundred (l. 26); Kuntala (l. 39); Ekkalavāḍa (l. 49); Kunduravalli (ll. 49, 51-53); Ittāge (ll. 53, 58 f.); Niṭṭūr (ll. 53, 60); Kantariko (l. 59); Benakana kōla, "Benaka's Lake" (l. 60); the *trīthas* (l. 63); and various nations (ll. 7, 18, 22-3). Beluvala (Belvala) and Huligere are well known; and Huligere town is the modern Lakshmēshwar. Halasige is Halsi. Hānuṅgallu is the modern Hāngal. Ekkalavāḍa is the name of the district in which lay Kunduravalli; and the latter may be identical with the village styled "Kunderhalli" in the *Postal Directory*, "Koondarwullee" on the Indian Atlas, sheet 41, and "Kudravli" on the Bombay Survey, sheet 334, which lies in lat. 15° 8', long. 75° 34', about 5½ miles ENE. from Lakshmēshwar. Niṭṭūr ("Neetoor" on the Indian Atlas) lies in lat. 15° 9½', long. 75° 34½'.

## TEXT.

[Metres: vv. 1, 32, *Anuṣṭubh*; vv. 2, 3, *Sārdūlavikrīḍita*; vv. 4, 6, 7, 9, 11, 13-20, 22-7, 29, 30, 33, *Kanda*; vv. 5, 28, *Mahāsrugdhurā*; vv. 8, 31, *Champakamālā*; vv. 10, 12, 21, *Mattābhavikrīḍita*.]

- 1 Śrī Namas-tuṅga-śiraś-chaṇḍi-chandra-chāmara-chāravē [1\*] trailōkya-nagar-ārambha-mōla-stamb-
- 2 bhāya Śambhavē [|| 1\*] Śrinach-chāru-Chaḷukya-vaiśā-nāṇi-bāl-ātapaṁ dur-viṇiṭa-
- 3 māy-āri-nripāla-bāla-kadaḥi-shaṇḍ-ōgra - vēdaṇḍan - uddām-ā-namra-narēndra-maṇi-maṇi-saṁghrīṣṭ-āṁghrī(ghri)-
- 4 padma-dvayaṁ bhūm-iśaṁ negardam samagra-vijaya-śrī-lōlupam Tailapam || [2\*] Chaḷuky-abharanam tadiya-
- 5 tane(na)yam Satyaśrayam tad-dharāpāl-ātm-ānuja-sōnu Vikrama-nripam samd-Ayyanam kirtti-lakṣmī-lōlam Ja-
- 6 yasimhan-a nripa-suta[ir\*] saṁgrāma-jit sārvaabhaum-ālamb-Āhavamallan-ā nripa-sutam Sōmēśvar-ōrvvi-
- 7 śvaram || [3\*] Ka || Ā nripatiya tamman Chōl-śnana-kānana-dav-āuṣaṁ Gūrjjara-bhūp-Ānūpa-khadira-khaṇḍanam-i uclanam
- 8 talōṇa-ādāta Permmādi-nripa || [4\*] Vri || Chāla-chiri-bhēriyam kichaka-kula-vilasad-gāyak-āṇikadim bhūmā-bhūbhrit-piṭha-
- 9 diṁ panuaga-phana-maṇi-dipamgāḥim sarmma<sup>2</sup>-nirmōka-lasad<sup>2</sup>-vastramgāḥim bēa-vargo vibhavamam māḍi vidviṣṭaram dōr-vvaḷa-driptaṁ Bhi-
- 10 Ila-pallī-sthitiyol-irīsidam Vikramāditya-dēva || [5\*] Ka || Ā dharapīṣana putram sadhita-dik-chakran-amṛitakara-kirapa-ya-
- 11 sō-dīḥitīy-ēsedam mahim-āgādham Bhūlōkamallan-uddhata-malla || [6\*] Tad-apatyam nripa-bhūpa-pradipa-jham-
- 12 jha-samirapam nripa-rāy-ōmāda-kari-kaṇṭhitravan-ennadar-ār-Jagadōkamalla-chakrē-śvarana || [7\*] Vri || Kamāṭha-kaṭhōra-
- 13 karpparada tāpam-ādāngitu Nāga-rājan-uttama-maṇi-mastakakke hoṛe hīṁgidud-ā dig-ilhakke kaṇṭha-bhā-
- 14 ram-ad-udugitt-onala vaśumatī-tūlaman Jagadōkamallan-asra(śra)madole tālādidam nija-bhūja-dradhima-pra-
- 15 bala-pradēśadol || [8\*] Svasti samasta-bhuvan-āśraya Śrī-Prithvi-vallabha mahā-rājāthirāja paramēśvara
- 16 paramabhaṭṭāraka Satyaśraya-kula-tīlakam Chāḷuky-abharanam śrīmat-pratāpa-chakra-varitti Jaga-

<sup>1</sup> From the ink-impression.

<sup>2</sup> Irregular *prasa* of *ja* and *la*.

<sup>2</sup> Apparently an error for *asra*.

Northern India, ends in 1203 A.D., and that Trailōkyavarman succeeded his father as a mere local chieftain, holding the eastern part of the ancestral kingdom of Jējāka-bhukti. As we gather from the present inscription, however, Trailōkyavarman must shortly after the catastrophe at Kālanjar have mustered his forces, followed the Muhammadans into the western part of Bundelkhand, fought with and possibly defeated them there, re-established his power in at least the western and central parts of his dominions, and probably recovered his ancestral stronghold of Kālanjara (as appears from his assumption of the epithet *Kālanjar-ādhipati*, l. 5). It is possible that the latter epithet is merely an empty claim to the lost fortress, similar in nature to the same title as held by Vijjala, Kaṭachuri king of Kālyāṇī, or to the title *Dvāravati-pura-var-adhishvara*, as assumed by the Yādavas of Dēvagiri. But in the present case it is rather significant that a claim should be asserted over the place within two years of its loss. Besides, as General Cunningham remarks,<sup>1</sup> we know for certain that Trailōkyavarman recovered Kālanjara some time before 1233 A.D. Nothing prevents us, therefore, from assuming that he did so just at the outset of his career. Other inscriptions tell us that he was in possession of Ajaygarh Fort in 1212 A.D., that he was the paramount ruler in Bāghelkhand in 1240-41 A.D., and that he was eulogized in his successor's time<sup>2</sup> as 'a very creator in providing strong places' and as 'a veritable Vishṇu in lifting up the earth, immersed in the ocean formed by the stream of Turushkas.' All this evidence warrants us in assuming that Trailōkyavarman was not a mere local chief, that he retrieved the waning fortunes of his dynasty to a considerable extent by stemming the tide of the Moslem invasion, and that during his pretty long reign of nearly forty years he succeeded in establishing his sovereignty over most—if not all—of his paternal domain.

Of the localities mentioned in the records the following can be identified. *Vaḍavāḍa*, the place of encampment, is most probably the same as *Vaḍavāri* of another Chandella inscription,<sup>3</sup> to be identified with *Bedwāḍa* in the Lalitpur subdivision of the Jhansi district, the 'Berwara' of the maps in N. L. 24° 30' and E. L. 78° 41'. *Kakaḍāḍaha*, the scene of the battle with the Turk, must in all probability be the Kakaradaha mentioned elsewhere<sup>4</sup> as situated in the *Vaḍavāri* region, and as such I propose to identify it with *Kakaḍwā*, a little to the south-east of *Bedwāḍa*, the 'Kukurooa' of the maps in N. L. 24° 28' and E. L. 78° 42'. The *Vikraṇṭi* territory of these plates is probably the same as the *Vikaura* territory of the Semra plates,<sup>5</sup> which was identified by Dr. Cartellieri with *Bikaur* in Saugor district, the Beekore of our maps, in N. L. 24° 13' and E. L. 78° 41'. *Lōhasihāṇī* in the *Vikraṇṭi* territory may be the same as *Lohāṇī* in the Bijāwar State, situated in N. L. 24° 23' and E. L. 79° 12'. *Kāḍōhā*, one of the villages granted, must be identical with *Kāḍoa* in the Chhatarpur State, situated in N. L. 24° 48' and E. L. 79° 52', just south of Garra, the place where the plates were discovered. *Pāṇiūli* might possibly be identified with *Panna*, capital of the Indian state of the same name, in N. L. 24° 43' and E. L. 80° 16'.

#### TEXT.<sup>6</sup>

##### I.

- 1 [Ōm] Svasti[\*] Jayaty-āhlādayan=viśvaṁ viśv-śvara-śiro-dhṛitaḥ | Chandrātrēya-nar-  
śmīdrāṇām vaiśāś=chandra iv=ō-
- 2 jvalaḥ || Tatra pravarddhamāna-virodhi-vijaya-bhrājishṇu-Jayaśakti-Vijayaśakty-ādī-  
vir-āvirbhāva-bhā-

<sup>1</sup> A. S. Reports, Vol. XXI, p. 87.

<sup>2</sup> Vide *Ep. Ind.*, Vol. I, p. 329.

<sup>3</sup> Semra plates of Paramardi-dēva (*Ep. Ind.*, Vol. IV, p. 157, text l. 8).

<sup>4</sup> *Ibid.*, p. 156 and p. 157, text l. 7.

<sup>5</sup> Indian Atlas sheet No. 70 N.E.

<sup>6</sup> From the original plates.



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- 17 dēkamalla-dēvara vijaya-rājyam-uttarōttar-ābhivṛirdhdi(ḍdhi)-pravardhdhamānam-ā  
chandr-ārka-tāram barām saluttam-ire [1\*]
- 18 Tach-charapa-kamala-bhṛīṅgam sach-charitam Chōla-Lāla-Gūrjjara-rājōmḍr-ōchchā-  
ṭana-paṭu-mamtram nichchaṭa-gali Kēsirāja-daṇḍa-
- 19 dhīsam || [9\*] Vṛi || Satat-ālamkṛita-bhadra-lakṣhaṇa-yutam gōtr-ōdbhavam  
dāna-sambhṛitan-amgikṛita-gōmini-priya-kariṇy-ālimgan-ō-
- 20 dyad-yaśō-rjitan-udya-Jagadēkamalla-vijaya-stambēran-emb-I mah-ōmṇatiyind-Āneya  
Kēsirāja-pṛitan-ādhisamg-id-a-
- 21 nvarthakam || [10\*] Mada-radaniḡa hay-ānikada hōriga-Lāla-sandhi-vigrahada  
mahā-padaviya siri-karaṇada sampa-
- 22 dad-amtavur-ādhikāri Kēsavadēvam || [11\*] Idu dalu Māḷavan-aṭṭid-udgha-haya-  
samghātam Kāḷiṅg-ēsan-aṭṭida matta-dvipa-rāji Chō-
- 23 ḷikan-adhiram bhitiyīm kappam-aṭṭida nāu-mapi-maḷiy-eind-avar-avar-ttem-  
(tta)rttamdu mūnd-ikke tējadin-āchchādisidam dhar-āmbudhi-
- 24 kubhṛid-dig-dēsavam Kēsavam || [12\*] Svasti samasta-praśasti-suhitam śrīman-  
mahāpradhāma<sup>1</sup> kari-turaya-sāhani śrīkaraṇam sa-
- 25 rrv-ādhyakṣam hēri-Lāla-sandhi-vigrahi paśyitam sēnādhipati mahā-prachanḍa-  
daṇḍanāyakam Kēsimaṇḡaḷu Beḷuva-
- 26 la-mānūṛumam Haligēre-mānūṛuma n Halasige-paṇṇi(nni)rochchāsiramam Hā-  
numgaḷ-aynūṛumam dushṭa-nigraha-vi-
- 27 śiṣṭa-pratipāḷaneyind-āḷd-arasu-geyyutt-ire || Tat-pada-payōja-madhukaran-atpaṇna-  
pratibhan-udhdhat-ārāti-ma-
- 28 hij-ōtpātana-paṭu-pavanam sat-pūjyam Mēchirāja-daṇḍādhiśa || [13\*] Ā mah-  
ānubhāvan-anvaya-prabhāvam-emb-ēmdaḍe || Ka || Mātā-
- 29 mahān-esedam vikhyāta-guṇam Mēḷamayya-daṇḍādhiśam nūṭana-sura-bhūjātam  
bhūṭala-saṇstutyan-ādan-avanitaḷado-
- 30 ḷ || [14\*] Pitāmaham || Dhare pogalaḷu nija-kūla-pamkaruḷa[m\*] Śrī-sēvyam-  
āgaḷ-udayam-geydam vara-vēda-sāstra-vidy-ōtkaran-a-
- 31 pp-Āditya<sup>2</sup>-bhāṭtan-aḡha-samghaṭṭam || [15\*] Porṅam pesar-vve(ve)tt-ādityaṅgam  
puṭṭuva vol-ādaḷ-akhila-guṇ-Ādityaṅge antam Drōṇachāryyam
- 32 Gāṇḍiviy-amnan-enipa chāp-āchāryyam || [16\*] Ā vibhuvina kula-vadhu Laksh-  
mī-vadhug-eṇe śiladizind-Arundhatig-eṇe Vāṇi-vadhug-e-
- 33 ne ene<sup>3</sup> Chāmala-dēvi jagam pogale gōtra-maṇḍaney-ādaḷ || [17\*] Sutar-ādar-  
avarge sēnāpatiy-enia-irdd-Āchirājanum Mēcha-chamū-
- 34 patiyum budha-jana-kalpa-kṣhitijam Sūligoya Kamcha-daṇḍādhipanum || [18\*] I  
chatur-āmbudhi-vēshṭita-bhū-chakradol=itara-purusharol paḍi-
- 35 y-ide nint-Ācharasanan-anvaya-śāsi-rōchiya dorey-olare manujar-imnum mūn-  
num || [19\*] Kāl-āgni-sphurita-śikhā-māle mahā-Rāhu-
- 36 raśa(sa)nam-Amṭaka-daṇṣṭram kāl-āhiya sū(phū)tkaram sūlige<sup>4</sup> Sūligoya Kamchi-  
daṇḍādhipana || [20\*] Dhaval-āpāṅga-nirīkṣhaṇ-ōllasita-vēśyā-sōḍaram sa-
- 37 t-kavimdra-vipaśhij-janat-āḍaram Śiva-kumāram Manmath-ākāran-anya-vadhū-putra-  
kan-ātma-gōtra-nalini-mitram dal-ēmdamdu polvavan-āvom Śiva-dharinna(rinna)-
- 38 harmya-tala-pūrvva-prāchiyam Mēchiyam || [21\*] Vinaya-nidhi Mēchi-  
daṇḍēśana sati Veṇṇala-dēvi Lāḷiya-dēviyum-urvvi-vinuteyar-eseda-
- 39 r-nūija-vamān-nav-ōpala-chandra-lēkhegaḷ vasumatiyol || [22\*] Bharat-āvaniyoḷu  
Kuntala-dharitri raṇjisuvud-alli Purikara-dēśam karam-o-

<sup>1</sup> Read *pradhāna*.<sup>2</sup> Read *apayana*.<sup>3</sup> The second *pāda* of this verse is metrically wrong, having two *moras* in excess.<sup>4</sup> The engraver has almost written *ppa* for *ppā*.<sup>5</sup> Again *prāsa* of *la* and *le*.

- 3 svaṛe paramabhaṭṭāraka-mahārājādhirāja-paramēśvara-śrī-Madanavarmma-dēva-pād-  
ānudyāta-paramabhaṭṭāra-
- 4 ka-mahārājādhirāja-paramēśvara-śrī-Paramarddi-dēva-pād-ānudyāta - paramabhaṭṭāraka -  
mahārājādhirāja-
- 5 paramēśvara-parama-māhēśvara-śrī-Kṣaṇajar - ādhipati - śrīmat - Trailōkyavarmma - dēvō  
vijayī sa ēsha durvvishahatara-pratā-
- 6 pa-tāpita-sakala-ripu-kulaḥ kula-vadhūm-iva vasumdhārān-nirākulām paripālayann-  
avikala-vivēka-nirmma[li\*]krita-matiḥ
- 7 Pāṇitūli-vishay-Āntaḥpāti-Kādōhā-grām-opagatān-mahattar-ādīn=sambōdhayati samājñā-  
payati ch=Āstu vaḥ
- 8 samviditam<sup>1</sup> yath=ōpari-likhitō=yaṁ grāmaḥ sa-jala-sthalaḥ sa-sthāvara-jaṅgamaḥ  
sva-sim-āvachchinnāḥ s-ādha-ūrdh[va\*]bhūta-
- 9 bhavishyad-vartamāna-niḥśēś-ādāya-sahitaḥ pratishiddha-chāṭādi-pravēśaś=ch-  
āsmābhir-Vaḍavāḍa-grāma-samāvāśē sam-
- 10 vat 1261 Vaiśākha-sudi 2 Sukra-vārē<sup>2</sup> Bharadvāja-gotrāya rā | Raṇapāla-  
prapaurāya rā | Sahanapāla-paurāya Kakaḍ[ā]-
- 11 dahē Turushka-yuddhē mṛita-rā | Pāpē-putrāya rā | Sāmanta-nāmnō  
prasādēna<sup>3</sup> mṛityuka-vṛittau śāsanam kṛtvā pradatta iti
- 12 matvā bhavadbhir-ājñā-sravaṇa<sup>4</sup>-vidhēyair-bhūtvā bhāga-bhōg-ādikaṁ sarvvam=asmai  
samupanētavyam | tad=ēnam=asya grāmaṁ sa-māndira-
- 13 prākāram sa-nirggama-pravēśam sa-sarvvān-ēkshu-karppāsa-kuśuma-seṇ<sup>5</sup>-āmra-madhūk-  
ādi-bhūruham sa-vana-khani-nidhānam sa-
- 14 loh-ādy-ākaram=aparair=api sim-āntarggatair=vvasubhiḥ sahitaṁ sa-bāhy-ābhyantar-  
ādāyam bhūmjanasya na kēn=āpi bādha kāry[a]
- 15 atra cha rāja-rāja-purush-ādibhiḥ svam svam=ābhāvyam parihartavyam=idañ=ch-  
āsmad-dānam-anāchchēdyam-anāhāryaṅ=ch=ēti bhāvibhir=api bhūmi-
- 16 pālaiḥ pālantiyaṁ || Śāmkham bhadr-āśanam<sup>6</sup> chhatram var-āsvā<sup>7</sup> vara-vāraṇāḥ  
bhūmi-dānasya pūyāpi<sup>8</sup> phalam svarggaḥ Purāmdara || Sva-hastō=yaṁ rājñāḥ<sup>10</sup>

## II.

- 1 [Om] svasti || Jayaty-āhlādayan=visvaṁ<sup>11</sup> viśv-ēśvara-śirō-dhṛitaḥ | Chandrātrēya-  
narēmdrāṇām vamaśaś=chandra
- 2 iv-ōjjvalaḥ | Tatra pravarddhamānō virōdhi-vijaya-bhrājishṇu-Jayaśakti-Vijayaśakty-  
ādi-vir-ā
- 3 virbhāva-bhāsvare paramabhaṭṭāraka-mahārājādhirāja-paramēśvara-śrī-Madanavarmma-  
dēva-pād-ānu-
- 4 dhyāta-paramabhaṭṭāraka - mahārājādhirāja - paramēśvara - śrī-Paramarddi - dēva-pād-  
ānudyāta-paramabha-

<sup>1</sup> Read samviditam.<sup>2</sup> [The syllable ū looks almost like ja of sa-jala in the same line.—H. K. S.]<sup>3</sup> Read Śukra-vārē.<sup>4</sup> Read prasādēna.<sup>5</sup> Read sravaṇa.<sup>6</sup> Read kusumbha-sapa. Kusum and san are vernacular corruptions of Sanskrit kusumbha and sapa. The former is a widely grown plant, from the flowers of which a scarlet dye is obtained; the latter is hemp, from which ropes are made. The six plants here chosen to represent the vegetable kingdom illustrate different uses to which plants are put. [The construction of sa-sarvvān is obscure; read sa-sarvv-ēkshu?—F. W. T.] The Semra Plates read here sa-parvv-āśan-ēkshu, etc.—H. K. S.<sup>7</sup> Read bhadr-āśanam.<sup>8</sup> Read chhatram and var-āsvā.<sup>9</sup> Read pushpāni.<sup>10</sup> It appears that a line (at least a part) after this is lost beneath the protecting copper band.<sup>11</sup> Read viśvaṁ.

- 40 ppugum=ā viśhay-āntara-rājad-rājadhāni Purikara-nagara || [23\*] Ā nālke  
manneyam Lakshmi-nīlayam Maṇala-vamśa-bhūṣhapau-asuhṛid(u)-Maināka-
- 41 daḷana-paviy=ene bhū-nuta-Jayakēśidēvan=esedaṁ jasadhi(di)m || [24\*] Nam-  
diyum=ahi-bhūṣhapamum Maṇḍākinīyūm jaṭ-āḷiyūm Girijeyu-
- 42 m=ardhḍh-ēnduvum=opp-iral=ndi(da)yisidaṁ Dakṣiṇa-Sōmanātha-dēvaṁ mudadiṁ  
|| [25\*] Ā Mahā-Svayambhu-Sōmanātha-dēvara sthān-āchāryya-kramam=em-  
43 t=ēndade || Kṣhiti-pūjya-Dēvasōma-vratiya mahā-vrati-kuḷ-ōdbhavaṁ śakala-  
guṇ-ōnnatan=ā Mahēndrasōma-vratiya su-  
44 tam Jñānasōma-paṇḍita-dēva || [26\*] Para-vadhug-eḷasada pusiyoḷu poreyada  
dharmm-āvatāran=enisida guṇamam dhariyisidaṁ
- 45 sale Sōmēśvara-dēvara maṁtri Kēśavam dhare pogalalu || [27\*] Vṛi ||  
Madanam tāḷd-irddanō rājita-vipula-jaṭā-jāḷamam kalpa-bhūjam padepimdaṁ  
tāpas-ākārado Puri-
- 46 kara-Sōmēśvara-sthānadoḷ saṁpadadiṁdaṁ sthāyiy-āg-irddudo jāḷanidhi gaṁbbhi-  
ramam yōgi-rūpiṁd=ido tāḷd-irddappud=enbaut=esedaṁ=anupamam Jñānasōma-  
47 vratiṁdraṁ || [28\*] Ā mahā-vrati-putra-santāna-saṁtati-kramam=uttarōttaram  
negale || Kanak-āchala-ohṇḍā-kānchana-baṁhima-kalaśam=enipa Dakṣiṇa-Sō-  
48 mēśana maṁdirakke kānchana-ghana-kalaśaman=iṭṭan=anupamam Mēcharasaṁ ||  
[29\*] Kalaśada-hāl (!)=aned<sup>1</sup>=anvaya-tiḷakam hoṁ-gottu māru-gonḍ=ittam hoṁ-  
gula-
- 49 śa(sa)kk=Ekkalavāda(da)da baḷi Kuṁduravaḷḷiyōḷu nivarṭtana-śatamam || [30\*]  
Svasti samasta-prasasti-sahitam śrīman-mahāpradhānam para-nārī-putram vō-
- 50 śyā-sahōdaram Śiva-kumāram chatuṣ-samaya-samudhharanam Puligere-nāḍa per-  
ggade daṇḍanāyakam Mēcharasar | śrīman-mahāmaṇḍaḷō-
- 51 śvaram Jayakēśi-dēvarasargge sāyira-parigrahaṁgalgam śrīmat-Kuṁduravaḷḷiy-ūr-  
oḍoyam Maddirāja Sōvimayya Kēsimayyaṁgalgam dra-
- 52 vya-nivēdanam geydu kāl-garchchu-kai-dhārey=āgi paḍodu mattam=ā prabhugaḷge  
aḷadu kaṇḍa-bhūmigo nūrakke battar=ōpādiya daśavamdhaman=ikki Kundu-
- 53 ravalliya chātur-āghāṭa-bhūmi-śi(si)m-ābhyaṁtarad=ēka-dēśad=Iṭṭage-volada dēva-bhōga  
Niṭṭāra holada hattugeya holanam Huligerēya ga-
- 54 diṁbada gaḷeya nūru mattar=kkeyyam kalaśakk=akshaya-dānamum=ā-chaiṁdr-  
ārka-sthāyiy=āgi sarvva-namaśya(sya)m=āgi tanna svāmi Chāḷukya-  
rājy-ō-
- 55 dhḍharana-karana-kāraṇan=appa mahā-prachanḍa-daṇḍanāyakam Kēsimayyaṁgalge  
binnapam-geydu pāramēśvara-dattiy=āgi paḍedu || Svasti śrīmach-Chā-
- 56 ḷukya-pratāpa-chakravartti Jagadēkamalla-dēva-varshada 10neya Prabhava.  
saṁvatsarada Āśāḍa<sup>2</sup>-śudhḍha 12 Bṛihaḥpati-vāram dakṣiṇāyana-saṁkrama-
- 57 na-vyatipātam kūḍida puṇya-tithiyōḷu śrī-Sōmanātha-dēvara sthān-āchāryya-  
Jñānasōma-paṇḍita-dēvara kalam karechi dhārā-pūrvvakam sarvva-namaśya(sya)-  
58 mum sarvva-bādhā-parihāramum=āgi biṭṭar || Ā dharmma-bhūmi nūru  
matta[r\*]-kkeyya simey=enit=[c\*]ndade | iśānyada sime Iṭṭageya hāḷa holada  
59 badagaṇa horeya kiṁnari-gal mūḍana sime Iṭṭage-volada nīr-vvariya haḷḷam  
mōre | āgnēyada sime Kāntarikeya hāḷa mūḍana haḷḷa-daḍiya
- 60 kiṁnari-gallu mōre nairirityadu<sup>3</sup> sime Benakana koḷada temkaṇa kiṁnari-gallu  
mōre | vāyavyada sime Niṭṭāra holada temkaṇa mōroya natṭa kiṁnari-gallu |  
iti cha-

<sup>1</sup> Apparently to be emended to *end*.<sup>2</sup> Read *nairirityada*.<sup>3</sup> Read *Aśāḍha*.

- 5 ttāraka-mahārājādhirāja-paramēśvara - parama-māhēśvara-śri - Kālāñjara - ādhipati - śrīmat-  
Trailōkyavarmanma-dēvō vijayī
- 6 sa ēśha dūrvishahatara-pratāpa-tāpita-sakala-ripa-kulaḥ kula-vadhām-iva  
vasundharān-nirākulām paripālayann-avikala-vivē[ka].
- 7 nirmmalikṛita-matiḥ Vikrañṇi-vishay-āntaḥpāṭi-Lōhasihāṇi-grām-ōpagatān-  
brāhmaṇān-anyānś-cha mānyān-adhikṛitā-
- 8 n=kuṭumbi-kāyastha-dūta-vaidya-mahattarān mēda-chāṇḍāla-paryantān-sarvān-sambō-  
dhayati samājñāpayati ch=Āstu vaḥ samvidi<sup>1</sup>.
- 9 tam yath-ōpari-likhito-yam grāmāḥ sa-jala-sthalāḥ sa-sthāvara-jātagamāḥ sva-sim-  
āvachchhinnaḥ s-ādha-dṛddhvo bhūta-bhaviṣyad-varttamā-
- 10 na-niḥśēś-ādāya-sahitaḥ pratishiddha-chāṭ-ādi-pravēśa<sup>2</sup>-ch-asmābhir-Vvāḍavāḍa-  
samāvāsē samvat 1261 Vaiśākha-vadi 2 Sukra<sup>3</sup>.
- 11 vārō Bharadvāja-gotrāya rāuta-Rapapāla-prapautrāya rāuta-Sahanapāla-pautrāya  
Kakaḍṣadhē Tu[ru\*]śhkēṇa saha yuddhē mṛita-
- 12 rā | Pāpē-putrāya rāuta-Sāvanta-nāmnē mṛityuka-vṛittau śāsanam kṛitvā  
pradatta iti matvā bhavadbhir-ājñā-śravapa-vidhēyai-
- 13 r=bhātṛvā bhāga-bhōg-ādikaṁ sarvam-asmai samapanētavayam | tad-ēnam-asya  
grāmam sa-mandira-prākāram sa-nirggama-pravēśam sa-sarvān<sup>4</sup>-ōksha-karppā-
- 14 s-ādi-bhūruham sa-vana-khani-nidhānam sa-loh-ādy-ākaram-aparair=api sim-  
āntarggatair-vvasubhiḥ sahitaṁ sa-bāhy-ābhyantar-ādāyam [bhūmja-]
- 15 nasya na kōn=api bādha kāryyā | atra cha rāja-rāja-puruṣ-ādibhiḥ svam  
svam-ābhāvyam parihartavyam-idañ-ch-asmad-dānam-anichchhēdyam-a-
- 16 [nāhā]ryaḥ-ch-ōti bhāvibhir=api bhūmi-pālaiḥ [pāla]niyam=iti || Uktañ-cha ||  
Śaṁkham bhadr-āsanam<sup>5</sup> chhatram var-śavā<sup>6</sup> vara-vārapāḥ | bhūmi-
- 17 [dāna]s[ya] pushpāni phala[m] svarggaḥ Purandara, [Sva-hastō]-ya[m\*] rāja-śri-  
Trailōkyavarmanma-dēvasya [ma]tam mama || chha || chha ||

## TRANSLATION.

## I.

Ll. 1-2. Om. Hail! Victorious is the lineage of the Chandrāstrēya sovereigns, refulgent as the moon, by reason of its gladdening the universe, and its being held on the head (i.e. respected) by the rulers of the world (just as the moon is held on the head by the Lord of the Universe, i.e. the god Śiva).

Ll. 2-5. In that (family), resplendent with the birth of heroes like Jayasakti, Vijayasakti and others, shining with ever-increasing victory over (their) foes, (was born) the illustrious king Trailōkyavarman, victorious, overlord of Kālāñjara, great devotee of the supreme god (Śiva), Supreme Lord, great king of kings, meditating on the feet of the illustrious Paramarddi-dēva, Supreme Lord, etc., who meditated on the feet of the illustrious Madanavarman-dēva, Supreme Lord, etc.

Ll. 5-7. He, here, having overcome all hostile families by his unbearable valour, protecting the earth without any disturbance, as if (it were the) young bride of a (noble) family, with his intellect purified owing to his unobstructed discrimination, informs and instructs the headmen and so forth of the village of Kakaḍṣa, situated in the territory (vishaya) of Pāṇitūli:

<sup>1</sup> Read samviditān.<sup>2</sup> Read Śubra-.<sup>3</sup> [On sa-sarvān see note 5, p. 275, above.—F. W. T.]<sup>4</sup> Read bhadr-āsanam.<sup>5</sup> Read bhadr-āsanam sa-r-dān.<sup>6</sup> [The letter ja is not visible on the plate. Perhaps jhaḥ as in Plate I has to be read after ra.—H. K. S.]



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| Royal Colonial Institute, Northumberland Avenue, London, W.C.               | Royal Asiatic Society, Straits Branch, Singapore.                      |
|   | Public Library, New South Wales, Sydney.                               |

Ll. 7-11. Let it be known to you that this above-mentioned village with (its) land and water, movable and immovable (objects), overhead and underground, circumscribed within its boundaries, with its whole produce—past, present and future,—with access to it prohibited for *chātua* and others,—has been graciously granted by us together with a charter (for the same) by way of maintenance for (the heirs of one who suffered) death (on the battlefield), issued from (our) camp at the village of *Vaḍavāḍa*, on Friday, the second (day) of the bright half of *Vaiśākha* in the year 1261 to *Rāṭa Sāmant* of the *Bharadvāja gōtra*, son of *Rāṭa Pāpā*, who was killed at *Kakāḍāḍa* in a fight with the *Turushkas*, grandson of *Rāṭa Sahanapāla*, and great-grandson of *Rāṭa Banapāla*.

Ll. 12-14. Knowing this, you should be intent on obeying (these) instructions, and present him all his dues, such as the claim to a portion (of the agricultural produce), etc. So, also, no one should obstruct him in the enjoyment of this village, with its houses and surrounding walls, with its ingress and egress, with its trees (and plants), such as sugarcane, cotton, *kusum*, hemp, mango, *madhūka*, etc., with its forests, quarries and hidden treasures and mines of iron, etc., and other sources of wealth within and without its boundaries.

Ll. 15-16. Here also, the kings and officers of the kings should forego all their respective rights. Future monarchs should likewise protect this grant of ours, considering that it ought not to be wrested or seized. "The conch, the throne, the umbrella, the fine horses and the stately elephants (in fact, all the insignia of royalty) are (but) the blossoms of (the merit accruing from) the grant of land; its fruit is (the attainment of) heaven, O *Purāṇidara*." This is the handwriting of the king.

## II.

Almost identical with the above, except that the persons who are called upon to obey the instructions in lines 7-8 are : Brahmins and other respectable dignitaries and householders, as *kāyasthas*, *dūtas* (carriers of messages), physicians, and *mahattaras* (headmen), even down to *mēḍas* (a low-caste people of Bundelkhand) and *chāṇḍālas*. The last line (17) contains the signature of king Trailokyavarmma-dēva in his own handwriting.

## No. 21.—SOME MINOR RASHTRAKUTA INSCRIPTIONS.

By LIONEL D. BARNETT.

The inscriptions contained in this series have been edited from ink-impressions originally prepared for the late Dr. Fleet, and now preserved in the Department of Oriental Printed Books and Manuscripts in the British Museum.

### 1. KUNIMELIHALLI INSCRIPTION OF SAKA 818.

The village of *Kunimellihalli* lies in lat. 14° 52' and long. 75° 22', about 11 miles S.E. from Shiggaon, in the *Baṅkāpūr taluka* of Dhārwar District, and is marked on the Bombay Survey sheet 309 as "*Kuni Milihali*" and on the Indian Atlas sheet 42 as "*Koonce Mehleehullee*." The word *Kunī* distinguishes it from a neighbouring "*Milihali*" or "*Mehleehullee*." Whether it is identical with the village of *Dantavūr* or *Dantavura* mentioned in the present record is a matter for conjecture. The inscription was found on a stone in front of the local temple of Hanumān, in Survey No. 41. The inscribed area is about 1 ft. 10½ in. wide and 2 ft. 4½ in. high.—The character is fair Kanarese of the period, with letters varying in height from ½ in. to 1 in., rather inclined to be upright and rounded, and generally somewhat archaic

*List of public libraries, etc., to which copies of the " Epigraphia Indica " are regularly supplied—contd.*

INDIA.

- |   |  |
|---|--|
| Imperial Library, Metcalfe Hall, Calcutta.          | St. Xavier's College, Bombay.                          |
| Secretariat Library, Madras.                        | Deccan College Library, Poona.                         |
| Government Central Museum, ditto.                   | Burdwan Raj Public Library, Burdwan.                   |
| University Library, ditto.                          | Bangiya Sahitya Parishad Sabha, Calcutta.              |
| Presidency College Library, ditto.                  | Chaitanya Library, 4-1, Beadon Street, Calcutta.       |
| Christian College Library, ditto.                   | Mahabodhi Society, Baniapooker Lane, Calcutta.         |
| Literary and Scientific Society, ditto.             | Scottish Churches College Library, Calcutta.           |
| Secretariat Library, Bombay.                        | Hooghly College Library, Chinsurah.                    |
| University Library, ditto.                          | Chittagong College Library, Chittagong.                |
| Anandashram Sanskrit Series, Poona City.            | Rajshahi College Library, Rajshahi.                    |
| Bombay Branch of the Royal Asiatic Society, Bombay. | Provincial Library, Dacca.                             |
| Secretariat Library, Calcutta.                      | Varendra Research Society, Rajshahi.                   |
| Indian Museum, ditto.                               | Secretariat Library, Bihar and Orissa.                 |
| University Library, ditto.                          | Patna College Library, Bankipore.                      |
| Sanskrit College Library, Calcutta.                 | Agra College Library, Agra.                            |
| Presidency College Library, ditto.                  | Muir Central College Library, Allahabad.               |
| Asiatic Society of Bengal, ditto.                   | Panini Office, Allahabad.                              |
| Secretariat Library, Allahabad.                     | Central Hindu College Library, Benares.                |
| University Library, ditto.                          | Queen's College Library, Benares.                      |
| Provincial Museum, Lucknow.                         | Canning College Library, Lucknow.                      |
| Sanskrit College Library, Benares.                  | Archæological Museum Library, Muttra.                  |
| Secretariat Library, Lahore.                        | Forman Christian College Library, Lahore.              |
| Museum Library, ditto.                              | Government College Library, Lahore.                    |
| University Library, ditto.                          | Punjab Historical Society, Lahore.                     |
| Oriental College Library, Lahore.                   | Punjab Public Library, Lahore.                         |
| Secretariat Library, Nagpur.                        | Museum Library, Delhi.                                 |
| Museum Library, ditto.                              | Public Library, Delhi.                                 |
| Secretariat Library, Rangoon.                       | Peshawar Museum Library, Peshawar.                     |
| Oriental and Mixed Library, Bangalore.              | Secretariat Library, Peshawar.                         |
| College Library, Dacca.                             | Public Library, Mandalay.                              |
| Itihasa Samasodhak Mandal, Poona.                   | Bernard Free Library, Rangoon.                         |
| Museum Library, Lucknow.                            | Rangoon College Library, Rangoon.                      |
| The Mythic Society, Bangalore.                      | Government Library, Shillong.                          |
| Department of Education Library, Delhi.             | Secretariat Library, Shillong.                         |
| Government College Library, Kumbakonam.             | Government College Library, Jubbulpore.                |
| Pachaiyappa's College Library, Madras.              | Chief Commissioner of Coorg's Library, Bangalore.      |
| The Conmemara Public Library, Madras.               | Rajkumar College Library, Indore.                      |
| Sanskrit College Library, Mylapore.                 | Rajputana Museum Library, Ajmer.                       |
| Government College Library, Rajahmundry.            | Library of the Resident at Baroda.                     |
| Maharajah's College Library, Trivandrum.            | Baroda Museum Library, Baroda.                         |
| Sanskrit College Library, Tiruvadi (Tanjore).       | Gwalior Darbar Library, Gwalior.                       |
| Maharajah's College Library, Vizayanagaram.         | Bhuri Singh Museum Library, Chamba.                    |
| Elphinstone College Library, Bombay.                | Indian Antiquary, c/o the British India Press, Margao, |
| Prince of Wales Museum Library, Bombay.             | Bombay.  |

in style. The *i* (in *idan*-, l. 16) is of the old style, two curves with two dots beneath, as described by Dr. Fleet above, Vol. XI, p. 7. The *ś* and *ṣ* are written in both the earlier and the later manner. The *k* is of the old knife-shaped type, but somewhat broad.<sup>1</sup> The *j*, *b*, and *y* approach the later types; the *b* has a large rounded top. In *ṇai* of *Annigana* (l. 12) there is a somewhat unusual variety of *ṇ*. The *l* sometimes has the archaic inward curl, and sometimes appears to be without it, in the later fashion. The *ñ* occurs in *pañcha* (l. 5) and *pañcha* (l. 18).—The language is Old Kanarese prose, but not of the most archaic type. The word *biḍisidom* (l. 15) is worth noting; cf. above, Vol. XI, p. 6, l. 17.

The record opens by giving its date (ll. 1-4), and then refers itself to the reign of the *Mahāsāmantādhipati Kannara-vallaha* (ll. 4-6), who seems to be the *Rāshtrakūṭa Kṛishṇa II Akālavarsha*. The title *Mahāsāmantādhipati* however raises some difficulty, for already in the Batgere inscription of A.D. 888, eight years previous to our record (see above, Vol. XIII, p. 189), Kannara is given the full regal titles<sup>2</sup>; and it would hence seem that, as he had for some years before his accession reigned as Yuva-rāja, or Heir Presumptive, jointly with his father,<sup>3</sup> and had then borne the title of *Mahāsāmantādhipati*, he was still locally described as such. The alternative inference is that this Kannara-vallaha is an otherwise unknown viceroy of the same family; but the predicate "reigning over the earth" practically bars this possibility.

The inscription then states that at this time the Banavāsi Twelve-thousand was under the government of *Lōkade* (ll. 6-7). This *Lōkade* is the same as *Lōkaditya*, of the *Chellakētana* or *Sellakētana* family, on whom see Dr. Fleet's notes in *Ind. Ant.*, Vol. XXXII, pp. 221-26, and *Dynast. Kanar. Distr.*, p. 411 and n. 3. Next it mentions *Ōmkāra-Śiva-bhaṭāra*, of the temple of *Dindēśvara*, as administrator of *Palasūr*, and, as it would seem, two or three persons as county-sheriffs of "*Appiga's Hundred of Pānuṅgal*" (ll. 7-12). This last-named district must be a part of the *Pānuṅgal* (*Hāngal*) Five-hundred, and it would be interesting to know who *Appiga* was from whom it took its name; possibly he is the Pallava or Nolamba-Pallava *Appiga* of the records (above, Vol. IV, p. 289, V, p. 191, X, pp. 58, 63 n., *Dynast. Kanar. Distr.*, p. 420). Finally in ll. 12-15 the inscription mentions two other local officials and a person who induced *Ōmkāra-Śiva-bhaṭāra* to grant remission to *Dautavūr* or *Dautavura*. This seems to mean that the village was granted some liberty or immunity from payment of taxes to *Palasūr*; perhaps *Palasūr* was a church-property, administered together with some neighbouring villages for the benefit of a local Śaiva temple, and by the present act *Dautavūr* became released from this service.

The date is specified in ll. 1-4 as *Śaka 818 current, the cyclic year Banu* (sic!); *Jyāishtha śu. 13*; the *nakshatra Uttare*. This is altogether irregular. *Śaka 818 current* corresponded to *Rākshasa* in all systems; and in that year the *tithi* mentioned was connected, according to the *Sūrya-siddhānta*, with *Saturday, 10 May, A.D. 895*, ending about 14 h. 44 m. after mean sunrise (for Ujjain), and corresponding to the *nakshatra Svāti* (or *Viśākhā* according to Garga on the *Brāhma-siddhānta*). What *nakshatra* our inscription means by "*Uttare*" is obscure.<sup>4</sup> Nor is the difficulty solved by assuming that *Śaka 818 expired* was intended; for Mr. R. Sewell, who with his usual kindness has investigated the dates in this paper, has pointed out to me that in accordance with the *Sūrya-siddhānta* the date would be

<sup>1</sup> In this connection I may note that in the *Ādūr* inscription of *Śaka 826 expired* (see *Dynast. Kanar. Distr.*, p. 411, n. 3) the *k* is written with a rounded body.

<sup>2</sup> In the *Bagumrā* grant, a few days earlier, he is still called *mahāsāmantādhipati*.

<sup>3</sup> See *Dynast. Kanar. Distr.*, p. 411.

<sup>4</sup> [In Tamil] the *nakshatra* *Uttiram* corresponds to the Sanskrit *Uttara-Phalguni*.—H. & S.]

- 61 tus-almā samāptaḥ Vṛi || Kalāsada nūru mattar-olag-uttama-bhūmiyan-ittan-i  
yaśas-tilakan=enippa Mōchapa-chamūpati Nandiya bāvig-āru nirmmaḷa-  
62 guṇa-yukte Gauraleya<sup>1</sup> bāvige mattar-ad-ār-enalke bhūtaḷa-nutan-aṁtu panneradu  
mattaramam Śiva-pāda-śekharam || [31\*] Sva-dattām para-dattām vā yō  
harōta vaśu(su)m-  
63 dbarām [1\*] śa(sha)stīm varsha-sahasrāṇi viśṭhāyām jāyatō kṛimih || [32\*]  
Gaṁgā-sāgara-Yamunā-saṁgamadoḷu kōṭi kavileyam brāhmaṇaram liṁgigalaṁ  
sale puṇya-dinaṁgalo-  
64 l=alidavargaḷ=appar=imt=idan=alidar || [33\*] Śrīmat-Karṇāṭa-sukavi-mukhya-  
paṇḍitara kavite || Kūvāri-chakravartti Puligereya Jinnōjara agra-sutam  
Chāvōjana kaṇḍarane

## TRANSLATION.

(Verse 1 : identical with v. 1 of inscr. A.)

(Verse 2.) There flourished a morning-sun to the lotus-lake the blest beauteous Chālukya lineage, a grim elephant to the coppices of young plantains (*consisting of*) countless froward enemy kings, a lord of earth whose pair of lotus-feet was rubbed by the gems of august obeisant monarchs' diadems, ardent wooer of the goddess of universal victory, Tailapa.

(Verse 3.) His son was Sityāśraya, embellishment of the Chālukyas. A son of the latter monarch's younger brother was king Vikrama, (*likewise*) the excellent Ayyaṇa (*and*) Jayasimha the wooer of the goddess of glory. The last-named king's son was Āhavamalla, victor in battle, mainstay of empire; that king's son was the lord of earth Sōmēśvara.

(Verse 4.) That king's younger brother, the valiant king Permāḍi, a consuming fire to the forest of the faces of the Chōḷas, breaking down the acacias in the marshes of the Gūrjara kings, ruled this land.

(Verse 5.) Haughty with his might of arm, king Vikramāditya reduced his foes to the condition of a village of Bhillas, giving them severally splendours with drums consisting of skipping crickets, with bands of bright singers consisting of thickets of reeds, with royal stools consisting of the ground, with lamps composed of gems in the hoods of serpents, with gay robes of snakes' sloughs.

(Verse 6.) This sovereign's son Bhūlōkamalla became distinguished, acquiring the circle of space, having a radiance of glory like moonbeams, unfathomable of majesty, wrestler against the proud.

(Verse 7.) His son is a storm-blast upon the lamps hostile kings, a lion to the furious elephants hostile princes : who are there that do not thus speak of the Emperor Jagadēkamalla ?

(Verse 8.) The pain of the Tortoise's hard carapace has stopped ; the load on the Serpent king's splendidly jewelled head has diminished ; the burden on the neck of the elephants of the sky-quarters has abated : this is because Jagadēkamalla bears without labour the realm of earth upon the puissant place of firmness, his own arm.

(Lines 15-17.) While the victorious reign of . . .<sup>2</sup> the majestic Emperor king Jagadēkamalla was advancing in a course of successively increasing prosperity, (*to endure*) as long as moon, sun, and stars :—

(Verse 9.) A bee to his lotus-feet, righteous in conduct, having counsels skilful in shattering the Chōḷa, Lāḷa, and Gūrjara monarchs, a true hero is the General Kēsirāja.

(Verse 10.) Having auspicious characteristics [*or*, characteristics of a high-bred elephant] in constant embellishment, born of a noble family [*or*, herd], abundant in bounty [*or*, rut-ichor],

<sup>1</sup> The *su* is rather uncertain.

<sup>2</sup> Supply the usual Chālukya formula, as above.

Friday, 28 May, A.D. 896, corresponding to the *nakshatra* Anurādhā by all systems, while according to the *Brāhma-siddhānta* the *nakshatra* would be Svāti and according to the equal-space system and Garga it would be Chitrā. If on the other hand we reject the Śāka date as wrong and accept "Bānu," i.e. Bhānu, as being the same as Subhānu (as is sometimes the case in Northern Calendars), we must fix the year of our inscription as either 786 or 846 Śāka; but in neither case can we obtain a *nakshatra* with Uttarā in its name, and hence this alternative may be discarded.

The only place-names mentioned are the Banavāsi Twelve-thousand (l. 7), Palasūr (l. 9), "Anṇiga's Hundred of Pānuṅgal" (ll. 11-12), and Dautavūr or Dautavura (ll. 14-15). Palasūr is now Halsūr, in lat. 14° 51' and long. 75° 21', nearly a mile S.W. of Kupimellihaḷli. Of "Anṇiga's Hundred of Pānuṅgal" I have already spoken. Dautavūr is very possibly the ancient name of Kupimellihaḷli; if not, it must have been a village in the immediate neighbourhood.

TEXT.<sup>1</sup>

- 1 Svasti<sup>2</sup> śri Sa(śa)ka-kāl-ātita-sambatsara-sa(śa)taṅga-
- 2 ḷ-eṇṭu-nūṛa padinēṇṭaneya Bā(bhā)nuv-emba [samba\*]tsaram prava-
- 3 rttise Jēshṭa-māsamūṃ śukla-pakshamūṃ trayōda-
- 4 si(śi)yurū Uttare-nakshatramūṃ pravarttisutt-ire [i\*] sva-
- 5 sti samadhigata-pañcha-mahā-śabda-mahāsāmantā-
- 6 dhipati śrīmat-Kannara-vallaha[m] prithuvi<sup>3</sup>-rājyaṃ-geye [i\*] Lō-
- 7 kade Banavāsi-pannirchōhāsiramuman-āle [i\*] anēka-guṇa-
- 8 gaṇ-ālamkṛita-sattya-śauch<sup>4</sup>-āchāra-śīla<sup>5</sup>-sampannar-appa
- 9 śrīmat-Dindēśvarada Ōmkāra-Śiva-bhaṭṭarar<sup>6</sup>-Palasūran-āḷu-
- 10 tt-ire [i\*] svasty-anēka-guṇa-gaṇ-ālamkṛita-sattya-śauch-āchāra-si(śi)la-
- 11 sampannan-app-Alādiyaṃ<sup>6</sup> Gōvaṃ innuṃ Kalpāta[m] śrīmat-Pā[ṇuṃ]-
- 12 gall-Anṇigana nūṛakke nāl-gāmumṇḍu-geye Māravayyaṃ
- 13 perggadetanam-geye Maṇugulara Ayicha-Gāvunḍa-
- 14 n-ūr-gāvunḍu-geye ātana magan-Asaganna[m] Dautavu-
- 15 ra<sup>7</sup> biḍisidom Ōmkāra-Śiva-bhaṭṭarar=biṭṭar-Idam kādomge Asva(śva)-
- 16 mēdhada phalam idan-aḷidomge Bāraṇāsiyosi-
- 17 yo<sup>8</sup> sāsira kavileyuma[m] sāsirbar-pārvvaruma[m]
- 18 konda paṃñcha-mahāpātakan=akkum<sup>9</sup>

## TRANSLATION.

(Lines 1-4.) Hail! fortune! while the cyclic year Bhānu, the eight-hundred and eighteenth (year) of the centuries of years elapsed since the time of the Śāka king, was in progress, while the month Jyāishṭha, the bright fortnight, the thirteenth (lunar day), and the constellation Uttarā were in progress :—

<sup>1</sup> From the ink-impression.

<sup>2</sup> This word is preceded by an ornament of the *śaṅkha* type surrounded by petals.

<sup>3</sup> Read *prithuvī*.

<sup>4</sup> It is not quite clear whether the stone has *ś* or *s*.

<sup>5</sup> It is not quite certain whether we should read *-bhāṭṭarar* or *-bhāṭṭarāṃ*.

<sup>6</sup> These names seem strange. The syllable *yaṃ* has been omitted and added in smaller script below the line.

<sup>7</sup> Should we read *-vūram* or *-vuramaṃ*? See however above, Vol. XI, p. 3, n. 3.

<sup>8</sup> Read *Bāraṇāsiyol*.

<sup>9</sup> This word is followed by an ornament similar to that at the beginning of l. 1.

winning high fame through receiving the embraces of the beloved elephant-cow of Lakshmi, he is a bull-elephant of victory for the exalted Jagadēkamalla: through this high distinction the General Kēsirāja of the Elephants has gotten this appropriate name.

(Verse 11.) Kēsavadēva is (*in charge*) of rut-raging elephants, of squadrons of horse, of the high office of (*the ministry of*) peace and war for the secret service (P)<sup>1</sup> and Lālas, (*and*) of the treasury, a controller of the prosperous seraglio.

(Verse 12.) "This forsooth is a troop of noble horses sent by the Mālava"—"(*this is*) a column of fiery elephants sent by the king of Kāṇṇa"—"(*this is*) a diadem of various gems sent as tribute in terror by the Chōḷikas' monarch"<sup>2</sup>: as each of them with these words brought (*these things*) and laid them down before him, Kēsava overspread with his glory earth, ocean, mountains, and sky.

(Lines 24-27.) Hail! while he who possesses all titles of honour, high minister, master of the stables of elephants and horses, treasurer, general supervisor, minister for peace and war for the secret service (?) and the Lālas, favourite, head of the army, the great august General Kēsimaṃya, was reigning<sup>3</sup> in government of the Beḷuvala Three-hundred, the Huligere Three-hundred, the Halasige Twelve-thousand, and the Hānumgallu Five-hundred so as to suppress the wicked and protect the cultured:—

(Verse 13.) A bee to his lotus-feet, talented, a wind potent to uproot the trees haughty foemen, venerated by the good, is the General Mēchirāja.

(Line 28.) As regards the dignity of this noble man's lineage:—

(Verse 14.) His maternal grandfather was the illustrious General Mōlamayya, renowned for virtues; he was a modern Celestial Tree on earth, praised throughout the world.

(Line 30.) His paternal grandfather:—

(Verse 15.) Āditya Bhaṭṭa, abounding in the lore of the excellent books of the Vēdas, pulverising sin, rose (*to honour*) amidst the applause of the earth, so as to be served by the goddess of Fortune (*dwelling*) in the lotus of his own race.

(Verse 16.) To Āditya, who had all the virtues, there was a son Drōṇachārya, a master of the bow known as being like Gāṇḍivī [Arjuna], as if he had been born to Pon<sup>4</sup> and the renowned Sun-god.

(Verse 17.) This noble man's high-born wife Chāmala-dēvi, who was known as a peer of the lady Fortune, a peer of Arundhati in virtue, a peer of the lady Speech, adorned her race, amidst the praises of the world.

(Verse 18.) Their sons were the General Āchirāja, the General Mēcha, and the General Kañcha of the Spear, a tree of desire to sages.

(Verse 19.) Are there in the present or the past any mortals that are equal to the moon-light to his race, Ācharasa,<sup>5</sup> when he is compared with other men on this circle of earth girdled by the four oceans?

(Verse 20.) The line of glittering crests of the fire of doom, the tongue of great Rāhu, the fangs of the Destroyer, the hiss of the black cobra, is the spear of the General Kañchi of the Spear.

<sup>1</sup> See above, p. 44.

<sup>2</sup> [The correction of *adhīram* into *adhīśam* is unnecessary. *Chōḷika* = the Chōḷa king; and *adhīram* may be translated 'the weak-minded.'—H. K. S.]

<sup>3</sup> For *arasu* applied to civil administration by officers of the Crown see above, *pannāyaman=āḷu=arasugaḷu*, p. 35, note 3.

<sup>4</sup> *Pon* is the Kanarese for *Suvarṇā*, the name of a wife of the Sun-god (Gopinatha Rao, *Elements of Hindu Iconography*, Vol. I, pp 307, 313). [Perhaps *ponḡam* has to be taken as an adjective qualifying *śatam*, in the sense 'a man of elated courage.'—H. K. S.]

<sup>5</sup> There seems to be some irregularity in the text. *Ācharasanan* = must be genitive; but if so, it has a superfluous syllable *na*.

(Lines 4-15.) Hail ! while the *Mahāsāmantādhīpati* possessing the five great (musical) sounds, *Kannara-vallaha*, was reigning over the earth :—while *Lōkade* was governing the *Banavāsi* Twelve-thousand :—while *Dindēśvarada Ōmkāra-Śiva-bhātara*, adorned with a series of many virtues and practising truthfulness and pure conduct, was governing *Palasūr* :—while *Alādiya Gōva* (P) and likewise *Kalpāta* were holding the county-shrievalty over *Anniga's Hundred of Pānūgal* :—while *Maṇḍugara Āyicha Gāvūṇḍa* was holding the town-shrievalty :—his son *Asaganna* obtained the remission (from taxation ?) of *Dautavura* ; *Ōmkāra-Śiva-bhātara* granted the remission.

(Lines 15-18 : a Kanarese prose formula of the usual type.)

## 2. KYASANUR INSCRIPTIONS OF SAKA 868, etc.

The village of *Kyāsānūr* ("Kyāsūr" on the Bombay Survey sheet 310, "Kasnoor" on the Indian Atlas sheet 42) lies in the *Hāngal taluka* of *Dhārwar District*, in  $14^{\circ} 39\frac{1}{2}'$  lat. and  $75^{\circ} 7\frac{1}{2}'$  long. Its ancient name, as is shown in the inscription C. below, l. 6, was *Kēsālūr*, whence is derived the modern name, by change of *ś* to *yā* (a very common modification in vulgar Kanarese) and of *l* to *n*. The epigraphs here published were found in different parts of the village ; but with the exception of A., which is known to have been found in a row of stones in a road to the north of it, their exact location is not on record, as far as I am aware. An incorrect and imperfect transcript of A. is given in the Elliot Collection, Vol. II, fol. 335a of the Royal Asiatic Society's copy.

### A.

This epigraph is on a rectangular stone surmounted by sculptures which are described by Elliot's copyist as representing respectively the Sun, *Īśvara* (Śiva), *Halayudha* (sic !), and the Moon. The inscribed area is about 1 ft.  $10\frac{1}{2}$  in. high and 1 ft. 2 in. broad.—The character is Kanarese, somewhat irregular and cramped in style, with letters varying in height from  $\frac{1}{2}$  in. to 1 in. The vowels *ē* and *ō* are written in both the earlier and the later manner. The *b* and *j* are of the later types ; but the *l* is somewhat archaic, except in *Eḍevoḷal*, l. 6, and *agāl*, l. 13, where it is almost modern. We find the guttural nasal in ll. 3, 7, 10, and the palatal nasal in l. 4 (twice). The cursive *m* appears in the last syllable of *Aḡiravāramum*, l. 10, and *Gāmūṇḍi-ganōḷ*, l. 12 ; and there is an interesting form of *y*, in two lobes, in *-antaneya*, l. 8, and *Poravayyan*, l. 11.—The language is Old Kanarese, with the exception of the formal Sanskrit verse at the end ; as in the rest of this series, it belongs to the second period of the archaic dialect. We may note the form *mattal* for the commoner *mattar* (see above, Vol. XIII, p. 168) and *biḍisi* (see above, Vol. XI, p. 6, l. 17).

The record opens by referring itself in ll. 1-3 to the reign of king *Kannara* (the *Rāṣṭra-kūṭa* *Kṛishṇa III Akēlavarsha*, on whom see *Dynast. Kāmar. Distr.*, pp. 418 ff.), and then states that while the *Mahāsāmantā Kali-Viṭṭa* of the *Chellakētana* lineage was governing the *Banavāsi* province (ll. 3-4) and *Gāmūṇḍiga* was serving as *nāl-gīṇūṇḍu* or sheriff of the *Eḍevoḷal nīḍu*, on a given date, the revenue of a field was transferred by *Gāmūṇḍiga*, at the request of *Poravayya*, to a special account for the upkeep of a local tank. The history of the *Chellakētana* or *Sellakētana* family, of which *Kali-Viṭṭa* is the latest representative on record, has been examined in *Ind. Ant.*, Vol. XXXII, pp. 221 ff., by Dr. Fleet, who has noticed this inscription and the next on p. 226. We have found an earlier representative of the same family in the *Kuṇimellihalli* inscription above.

The date of the donation is given in ll. 7-10 as *Saka 868* current, *Vivāhāṣṭi*, the bright fortnight, Thursday, the *nakṣatra* *Uttarā*<sup>1</sup> ; but with peculiar negligence the draftsman or the

<sup>1</sup> See my remarks on 'Uttarā' in the previous inscription.



(Verse 21.) As truly he is called a brother to public women bright with the glances from their white eye-corners, one who honours worthy master-poets and sages, a son of Śiva, one with the form of the Love-god, a son to others' wives, a friend to the lotus-pool<sup>1</sup> of his own race, who can equal Mēchi, the right eastern face<sup>2</sup> on the floor of the edifice of the religion of Śiva.

(Verse 22.) Vennala-dēvi and Laliya-dēvi, the good wives of that treasure of courtesy the General Mēchi, have flourished on earth, renowned in the world, as digits of the moon to the fresh water-lilies of their race.

(Verse 23.) In the realm of Bharata the land of Kuntala shews itself in beauty. In it appears forsooth the province of Purikara; the capital city radiant within that district is Purikara town.

(Verse 24.) The seignior of this county, the world-renowned Jayakēśi-dēva, has become eminent by his glory, being known as a seat of Fortune, an ornament of the Maṇala race, a thunderbolt shattering the Maināka his foes.

(Verse 25.) There has arisen amidst joy the god Sōmanātha of the South, with whom are seen (*the sacred bull*) Nandi, the ornament of snakes, the Gauges, the high-braided hair, the Mountain's Daughter, and the half-moon.

(Lines 42-43.) As regards the line of priors of the establishment of this god Mahā-Svayambhu-Sōmanātha :—

(Verse 26.) Of the world-revered ascetic Dēvasōma (*there was a son*) sprang from the family of great ascetics, exalted in all virtues; of this ascetic Mahēndrasōma (*there was*) a son, Jñānasōma-Paṇḍita-dēva.

(Verse 27.) Kēśava, minister of king Sōmēśvara, has verily maintained the merit of desiring not others' wives, of abiding not in falsehood, of being known as an incarnation of righteousness, so that the earth praises him.

(Verse 28.) The incomparable Jñānasōma, lord of ascetics, has so distinguished himself that men say: "Is it the Love-god who has assumed a brilliant abounding mass of high-braided locks? is it the Tree of Desire that joyfully has settled permanently in happiness at the establishment of Sōmēśvara in Purikara under the guise of an ascetic? is it the Ocean that displays its profundity in the form of a Yōgi?"

(Line 47.) While this continuous sequence of the succession of sons of great ascetics was flourishing :—

(Verse 29.) On the temple of Sōmēśa of the South, which is, as one may say, a massive finial of gold on the crest of the Golden Mountain, the incomparable Mēcharasa has set a solid finial of gold.

(Verse 30.) The ornament of his lineage, having purchased for payment of gold a hundred *nivartanas* at Kunduravaḷḷi, within (*the district of*) Ekkalavāḍa, for (*defraying the expenses of*) the golden finial, presented it under the name Kaḷaśada-hāḷu.

(Lines 49-55.) Hail! He who possesses all titles of honour, the high minister, son to others' wives, brother to public women, son of Śiva, restorer of the four churches,<sup>3</sup> controller of the county of Puligere, the General Mēcharasa, having presented money to the thousand retainers of the Mahā-Maṇḍalōśvara Jayakēśi-dēvarasa and to Maddirāja, mayor of Kunduravaḷḷi, Sōvimayya, and Kēsimayya, and having (*thereby*) purchased with washing of feet and

<sup>1</sup> A poetic term for the sun.

<sup>2</sup> The word *pūrva-prācī* is not clear to me. It seems to mean "the east-of-east face," i.e. a person holding a very prominent and representative position, in the church. Most temples face towards the east.

<sup>3</sup> The Śaivas, Vaishnavas, Jains, and Buddhists.

mason has omitted the month and lunar day. Śaka 868 current coincided with Viśvāvasu of the Southern Cycle in A.D. 945-6.

The place-names mentioned are the Banavāsi *nāḍu* (l. 5) and the Eḍevolal *nāḍu* (l. 6). Eḍevolal, the county including Kyāsanūr, was a seventy district, and was usually reckoned as forming part of the Banavāsi province.

TEXT.<sup>1</sup>

[Metre: v. 1, *Anuṣṭubh*.]

- 1 Svasti Śri-Pri(pri)thuvi-vallabha mahārājādhira[ā\*]ja para[mē\*]-
- 2 sva(śva)raṁ paramabhaṭṭārakaṁ śrīmat Kannara-dēvaṁ pri-
- 3 tuvi<sup>2</sup>r[ā\*]jyama<sup>3</sup>-geyyo [l\*] Svasti samadhigata<sup>4</sup>-pa-
- 4 ṇcha-mahā-sa(śa)bda-mahās[ā\*]mantañ=Chellakētana-
- 5 vama<sup>5</sup>-ōdbhavaṁ Kali-Viṭṭaṁ Banavasi<sup>6</sup>-nāḍ-āle [l\*] Gom(gā)-
- 6 muṇḍigaṇ=Eḍevolal-nāḷke nāḷ-gāmuṇḍu-geyye [l\*]
- 7 Sa(śa)ka-nṛipa-kāl-ātita-saṁvatsara<sup>6</sup>-sa(śa)taṅga-
- 8 l-eṇṭu-nūr-aruvatt-eṇṭaneya Viśvā(śvā)vasuv-eṇ-
- 9 ba saṁvatsaram pravarttise su(śu)kla-pakṣhaṁ A-
- 10 ṅgiravāramum=Uttare-nakṣatradaṁdu Segā-
- 11 ra Poravayyaṇ=att=ara-gadda(?)=oḷag=ir-matta-
- 12 l-keyyaṁ Gāmuṇḍigaṇ=biḍisi kereg=ā-
- 13 gal=e[m]dom<sup>7</sup> [l\*] Sva-datt[ā\*]ṁ para-datt[ā\*]ṁ bā(vā) yō harēta(ta) vasuṁ-
- 14 dhar[ām\*] [l\*] shashṭir=vva[rsha\*]-sahasrā(srā)ṇi viṣṭāyā<sup>8</sup> jā-
- 15 yatō krimi<sup>9</sup> [l\*]

## TRANSLATION.

(Lines 1-13.) Hail! while the darling of Fortune and Earth, great Emperor, supreme Lord, supreme Master, king Kannara, was reigning over the earth:—Hail! while the *Mahāsāmanta* possessing the five great (*musical*) sounds, scion of the Chellakētana lineage, Kali-Viṭṭa, was governing the province of Banavāsi:—while Gāmuṇḍiga was holding the county-shrievalty over the county of Eḍevolal:—when the cyclic year Viśvāvasu, the eight-hundred and sixty-eighth (*year*) of the centuries of years elapsed since the time of the Śaka king, was in progress, in the bright fortnight, on Thursday, under the constellation Uttarā, Segara Poravayya obtained from Gāmuṇḍiga the remission of a field of two *mattal* within the *ara-gadda* (?) there, and said that it should be for the tank.

(Verse 1: a common Sanskrit formula.)

## B.

Of this epigraph lines 1-9 are engraved on a parabola-shaped block about 11 in. broad and 17½ in. high; the remainder is on the base on which this block stands, and which is about 1 ft. 9 in. broad and 6½ in. high. The upper block is surrounded by a border with bead ornament except at the bottom, and is slightly damaged on the proper left side.—The character is Kanarese, at first fair, but gradually degenerating, until it becomes in ll. 10-13 a clumsy

<sup>1</sup> From the ink-impression.

<sup>2</sup> Read *prithuvi*.

<sup>3</sup> A small letter is written in front of the *ṣ* which seems to be meant for a final *m*.

<sup>4</sup> The syllable *sa* was originally written *sa* and then corrected to *sa*.

<sup>5</sup> Read *Banavāsi*.

<sup>6</sup> The *va* has been omitted and added below the line.

<sup>7</sup> I give this reading with some diffidence. There is a *ga* written below the *l*, which seems to have been omitted from the beginning of the line.

<sup>8</sup> Read *viṣṭāyā*.

<sup>9</sup> Read *krimi*.

laving of hands the piece of estate connected with the lands of Ittāge and the lands of Niṭṭūr (held for) the god's usufruct, forming a part of the area within the boundaries marking the four sides of access of Kunduravalli, which he measured out for these gentlemen and on which he deducted a *daṣavandha*<sup>1</sup> at the rate of ten per cent. on *kaṇḍa*<sup>2</sup>-ground, obtained as an imperial gift one hundred *mattar* arable soil by the rood according to the *gaḍimba* of Huligere, as a perpetual endowment for the finial, to endure as long as moon and sun, on *sarva-namasya* tenure, as the result of a petition made by him to his lord the great august General Kēsimayya, the instrument and cause of the uplifting of the Chālukya kingdom;

(Lines 55-58.) and—hail!—on a holy lunar day on which Thursday, the 12th (day) of the bright fortnight of Āshāḍha in the cyclic year Prabhava, the 10th of the (regnal) era of the Chālukya majestic Emperor king Jagadēkamalla, coincided with the *dakṣiṇāyana-sankrānti* and a *vyatipāta*,<sup>3</sup> (*Mēcharusa*), having laved the feet of Jñānasōma Paṇḍita-dēva, prior of the establishment of the god Sōmanātha, made over to him with pouring of water (the above-mentioned estate) on *sarva-namasya* tenure, free from all conflicting claims.

(Lines 58-61.) As regards the bounds of this hundred-mattar field of endowment-land:—the north-eastern bound is a stone (with the figure) of a Kinnari at the northern side of the waste lands of Ittāge. As to the eastern bound, the limit is the running stream in the lands of Ittāge. As to the south-eastern bound, the limit is a stone (with the figure) of a Kinnari on the river-bank to the east of the waste of Kāntariko. As to the south-western bound, the limit is a stone (with the figure) of a Kinnari at the south of Benaka's Lake. The north-western bound is a fixed boundary-stone (with the figure) of a Kinnari on the south of the lands of Niṭṭūr. Thus the four bounds are concluded.

(Verse 31.) Out of the hundred *mattar* (assigned) for the finial, this general Mēchara, who is indeed adorned with glory, world-famed, crowned with Śiva's feet, has granted excellent land, six *mattar* for the well of Nandi, six for the well of Gaurale faultless in virtue, thus (amounting to) twelve *mattar*.

(Verse 32: a common Sanskrit formula.)

(Verse 33: a Kanarese commonitory stanza.)

(Line 64.) The poem (is that) of an eminent scholar among Kanarese master-poets. The engraving (is that) of Chāvōja, eldest son of Jinnōja of Puligere, emperor of stone-masons.

## No. 9.—TWO JAIN INSCRIPTIONS OF MULGUND AND LAKSHMESHVAR.

BY LIONEL D. BARNETT.

The following two inscriptions have been edited from ink-impressions prepared for the late Dr. Fleet, and bequeathed by him to the British Museum, where they now are. Though they relate to different foundations, they refer to the same lineage of Jain Gurus, and have two important verses in common; and this fact, together with their mention of the standard grammars of their day, gives them a more than ordinary interest.

<sup>1</sup> On this term see *Ind. Ant.*, Vol. XXX, pp. 107, 267; *Ep. Carn.*, Vol. X, pt. 1, Mb. 172 f., 259, CB. 9, Bg. 71, Ct. 1, 14. It is a remission of  $\frac{1}{10}$  of the revenue, under varying conditions (e.g. as compensation for some public work, such as digging and maintaining wells).

<sup>2</sup> The meaning of *kaṇḍa* here is not clear. There may be some connection with the Tamil *kaṇḍu*, 'cornfield,' or with the Marathi usage in the sense of 'contract.'

<sup>3</sup> A *yōga* on which the declination of sun and moon is the same.

straggling cursive. In ll. 1-9 the height of the letters is between  $\frac{1}{2}$  in. and 1 in., but in ll. 10-13 it varies from  $\frac{3}{4}$  in. to 1 in., the smallest size being that of a cursive *m* which appears thrice in l. 13 (*Mulkaḍara, maṅgaḷa, mahā*).<sup>1</sup>

The vowel *ṣ* is written in both ancient and later style, the *ṣ* in the later, and the general type of the letters is that of the transitional period. We find the guttural nasal in ll. 11 and 13, the palatal nasal in l. 5 and apparently in l. 12.—The language is Old Kanarese. *Poravayyama* (read *Poravayyana*) in l. 12 seems to be a genitive used for nominative (cf. *J.R.A.S.*, 1918, p. 105).

The record refers itself in ll. 1-9 to the reign of **Kannara** (*Kṛishṇa III*) and the administration of **Kali-Viṭṭa** and **Gāmuṇḍiga** in almost the same words as inscription A., and then in ll. 10-13 announces a charity or public service performed in the same year, viz. **Śaka 868 Viśvāvasu**, corresponding to **A.D. 945-6**.

The places mentioned are the **Banavāsi nāḍu** (l. 7), **Eḍevolal** (l. 8), and a village with a doubtful name (l. 12).

### TEXT.<sup>2</sup>

- 1 [Sva]st[i] Śri-Pri(pri)thuvī-vallabha ma-
- 2 [hārā]jādhirājam paramēśva(śva)ra
- 3 [para]mabhaṭṭ[ā\*]rakam śrīmat **Kannara-**
- 4 [dēvaṁ] p[r]i(pri)thuvī-rājam-geyye [\*] Svasti
- 5 [samadhi]gata-paṇcha-mahā-śabda-
- 6 [mahā]s[ā\*]manta **Chellakēta**<sup>3</sup>-varṇa(ś)-ōḍbhava
- 7 [**Kali-Vi**]ṭṭam **Banavāsi-nāḍu**-āntt-ire [\*]
- 8 [**Gāmu**]ṇḍigan-**Eḍevolal-nāḷke** nāḷ-gā-
- 9 [muṇḍu-ge]yye<sup>4</sup> [\*] Svasti
- 10 **Sa(śa)ka-nripa-kāl-ātita-varthamāna - sambatsara - sata[m]gaḷ<sup>5</sup>-e[m]ṭṭum - nu(nū)ra**  
**aruvatt-eṭṭa-**
- 11 neya **Viśvā(śvā)vasu**-[sa]mba[t]sara[m] pravarttise **Segara**<sup>6</sup> <sup>7</sup>**Karavayyaṅga**[\* P]  
gummaka(P)
- 12 peñchimdo<sup>8</sup> [\*] **Śri-Poravayam(yya)na** śrī(śrī)-Mel<sup>9</sup>-Biligiligeya mahājanake  
kā[du?]-
- 13 du [\*] **Mul[ka]ḍara Vaddayyaṁ**<sup>10</sup> m[ā\*]ḍidom [\*] maṅgaḷa mahā-śrī

### TRANSLATION.

Hail! while the darling of Fortune and Earth, great Emperor, supreme Lord, supreme Master, king **Kannara**, was reigning over the earth:—Hail! while the *Mahāśamanta* possessing the five great (*musical*) sounds, scion of the **Chellakēta**<sup>11</sup> lineage, **Kali-Viṭṭa**, was governing the province of **Banavāsi**:—while **Gāmuṇḍiga** was holding the county-shrievalty over the county of **Eḍevolal**:—while the cyclic year **Viśvāvasu**, the eight-hundred and sixty-eighth (*year*) of the centuries of current years elapsed since the time of the **Śaka** king, was in

<sup>1</sup> Cf. the facsimile of inser. D., l. 15.

<sup>2</sup> From the ink-impression.

<sup>3</sup> Probably to be corrected to *Chellakēta*, as in A.

<sup>4</sup> Under this word are two short lines of very small characters, mostly illegible.

<sup>5</sup> Read *-varttamāna-sambatsara-satamgaḷa-eṭṭu*.

<sup>6</sup> There is a cut across the base of the *g*, apparently signifying nothing.

<sup>7</sup> [The reading seems to be *Guravayyaṅga-sammataḥ* [vāḥ ?] *peruvāḍa*.—H. K. S.]

<sup>8</sup> Apparently meant for *pañcāḍim*; but the second syllable is not quite clear to me.

<sup>9</sup> The syllable *li* is rather doubtful, being written with a smaller letter rather high up, as though it were omitted and afterwards squeezed in. Possibly we should correct *śrīmeli* to *śrīmat*. [*Śrī-Meliga-Biligiligeya* is what appears to me to be the probable reading.—H. K. S.]

<sup>10</sup> [Perhaps *Chaffayyaṁ*.—H. K. S.]

<sup>11</sup> Perhaps to be corrected to *Chellakēta*.

**A.—MULGUND INSCRIPTION OF THE REIGN OF SOMESVARA I : SAKA 975.**

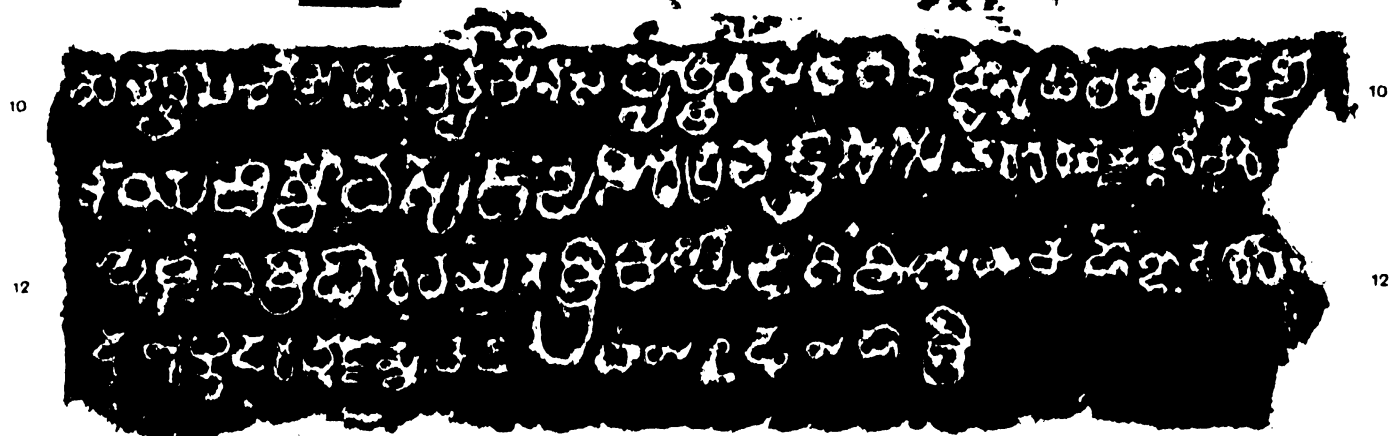
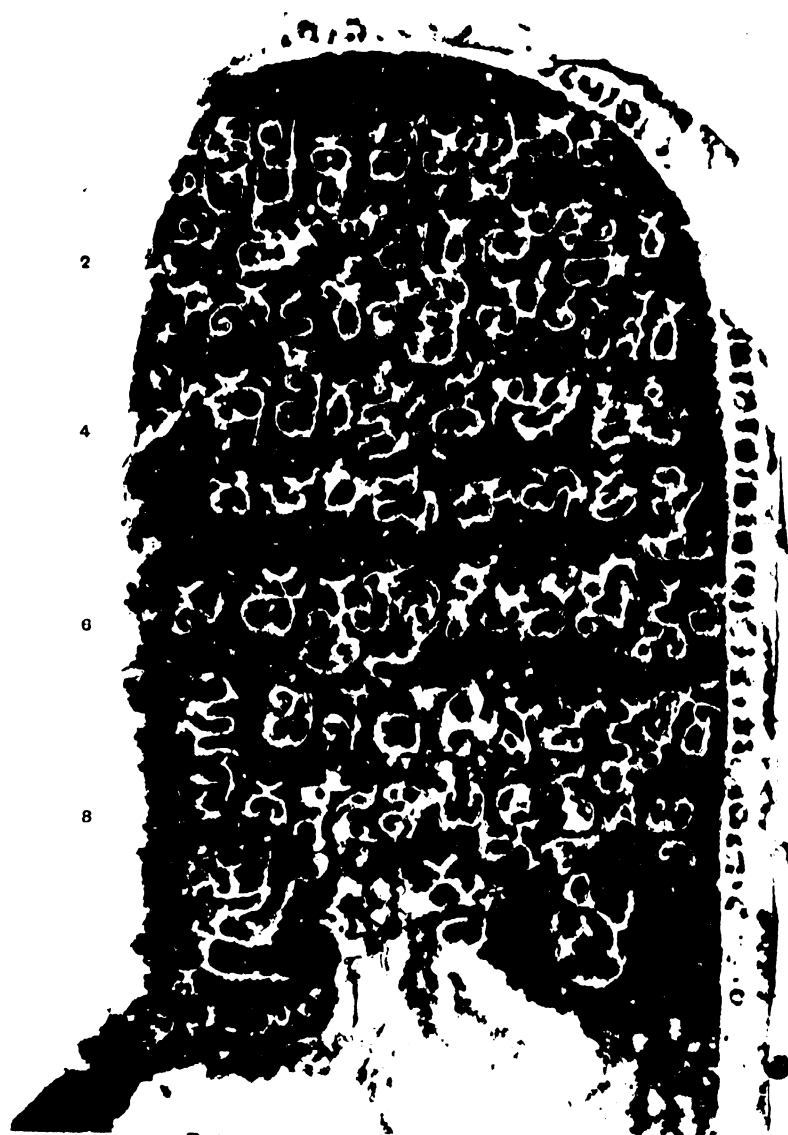
Regarding the site and name of Mulgund, whence this inscription comes, it suffices to refer to Dr. Fleet's remarks above, Vol. XIII, p. 190. The present record was found on a slab in the local Jain *basti* or temple. The stone is surmounted by a rounded pediment with truncated top, which contains some sculptures, viz. in the centre a squatting Jina in a niche or *kāshṭha-pañjara*; on the proper right a figure, perhaps representing a worshipper; over it the sun; to the proper left of the Jina, a cow with sucking calf; and above it the moon. Below this is the inscribed area, in two compartments, with a width of about 2 ft. 4½ in.; the upper one, containing lines 1-2, is about 3½ in. high, and the lower one, containing the rest of the record, is some 4 ft. in height. A transcription is given in the Elliot Collection, Vol. 1, fol. 76b. of the Royal Asiatic Society's copy; but it is very incorrect, and omits a considerable part of the text. The stone is very much worn, and in many places the writing is almost illegible.—The character is an elegant monumental type of Kanarese of the period, with graceful upright letters varying in height from ½ in. to ¾ in.—The language is Old Kanarese, with the exception of three Sanskrit stanzas, viz. verses 1, 7, and 10. It preserves the archaic *ḷ* in *neguḷṭam* (ll. 11, 18), *pogaḷte* (l. 16), and *ēlpatt-* (l. 29). On the word *śivaṭa* (l. 22) cf. above, Vol. XV, p. 105. For *moggu* (l. 25) see note *in loco*.

The record, after invoking the blessing of the Jina Chandraprabha (ll. 1-2), refers itself to the reign of Trailōkyamalla, i.e. Sōmēśvara I (ll. 3-5), and states that at the time the Three-Hundreds of Belvola and Purigere were under the administration of his son, the Mahā-Maṇḍalēśvara Sōmēśvara [II], who bears among many other titles that of "lord of Vēṅgī best of cities" and "furious elephant of Amma" (ll. 5-10). It then introduces a pious and eminent Jain *sandhi-vigrah-ādihikāri*, or officer of peace and war, named Belḍēva; he and his two younger brothers Baladēva and Śāntivarma were the sons of Aggaḷadēva and Gojjikebbe (ll. 10-17). Belḍēva was a "servant" or "soldier" (*baṃṭu*) of Kēśirāja, and a disciple of Nayasēna Sūri (ll. 17-19). Then come two verses extolling Kañcharasa, a local prince of the Sinda family,<sup>1</sup> who was induced by Belḍēva to make a grant out of his own *śivaṭa* (ll. 19-22). Next comes the spiritual pedigree of Nayasēna, and a eulogy of the latter's learning: in the Sēna or Chandrakavāṭa *anvaya* of the Mūla Saṅgha there was an eminent divine named Ajitasēna Bhaṭṭāraka, whose disciple was Kanakasēna Bhaṭṭāraka, whose pupil was the eminent grammarian Narēndrasēna, who was the teacher of the incomparable grammarian Nayasēna (ll. 22-28). An estate, duly specified, and apparently in the *śivaṭa* of Kañcharasa, was made over by Belḍēva to Nayasēna as trustee for the supply of food to the local *basti* (ll. 28 ff.).

The above-mentioned Ajitasēna may very possibly be the famous Jain divine of that name, who was the prior of the Baṅkāpār monastery, and who was the spiritual guide of the Western Gaṅga king Mārasimha II (who piously starved himself to death at Ajitasēna's feet) and of the minister Chāmuṇḍarāya<sup>2</sup> (*B. I.*, Vol. V, pp. 152, 171, 180; *Ep. Carn., Inscr. Sravana Belgola*, Nos. 38 and 67, and introduction, pp. 20 and 34; *Ep. Carn.*, Vol. VI, Kp. No. 3, and introduction, p. 11). He appears to have been a teacher of a Kanakasēna, entitled Vādi-rāja, who is mentioned in several inscriptions as a disciple of Akalaṅka and teacher of the Gaṅga king Rāchamalla (*Ep. Carn.*, Vol. VIII. ii., Nr., Nos. 35-7, 39, Tl., No. 192). This Ajitasēna must be distinguished from the scholar of the same name, styled Vāḍibhasimha, Śabda-haturmukha, and Tārkika-chakravartin, who was a later scion of the same spiritual lineage,

<sup>1</sup> On the Sindas see above, Vol. XIV, p. 268.

<sup>2</sup> A *Śrīṅgāra-mañjarī* or series of erotic verses is ascribed to him (see Seshagiri Sastri's *Report*, II, pp. 82, 231 f., 234); but it seems more natural to refer it to the other Ajitasēna mentioned below—if indeed to any Ajitasēna.



and who flourished in the first half of the twelfth century A.D. (see *E. I.*, Vol. III, p. 188; *Ep. Carn., Inscr. Sravana Belgola*, No. 54; *Ep. Carn.*, Vol. VIII. ii., Nr., Nos. 35-7, 39, Tl. 192). It is not clear which of these two Ajitasēnas was the author of the *Alaṅkāra-chintamani*<sup>1</sup> and *Muṇi-prakāśikā* (a supercommentary on the grammar of Śākaṭyāna) mentioned by Mr. Rice in his introduction to the *Karṇāṭaka Śabdānuśāsana*, p. 35. We find a similar duplication of Kanakasēnas; for the one mentioned in our record can hardly be the same as Kanakasēna the disciple of Vinayasēna (*E. I.*, Vol. X, pp. 57, 69), or Kanakasēna the disciple of Virasēna, circa A.D. 880 (*ibid.*, Vol. XIII, pp. 191, 193 f.), while a tradition records yet another as preceptor of Jinasēna the teacher of Mallishēna.

The grammarian *Narēndrasēna* of our record seems to be the same as *Narēndrasēna*, the author of a work on logic styled *Pramāṇa-pramāya-kalikā* (see S. R. Bhandarkar, *Catalogue of MSS. in Deccan College*, p. 327; A. V. Kathavate, *Report for 1891-5*, p. 76; Kashinath Kunte, *Statement showing old and rare MSS. in Gujranwala and Delhi Districts*, 1881-2, p. 11; Peterson, *First Report*, p. 126). But our inscription B. will introduce us to a second *Narēndrasēna*, a disciple of *Nayasēna*, who may also have some claim to this distinction.

The date of our record is given on l. 29 as : Śaka 975 (lapsed), the year *Vijaya*; the *uttarāyana-saṁkrānti*. This ought to correspond to Friday, 24 December, A.D. 1053, when the *saṁkrānti* occurred about 1 h. 35 m. after mean sunrise, according to the *Ārya-siddhānta*.<sup>2</sup>

The only geographical names mentioned are : the *Belvola Three-Hundred* (l. 9), the *Puligere Three-Hundred* (*ib.*), *Muḷgunda* (l. 21), *Kiṛugere*, or "Little Tank" (l. 31), and *Asagagere* (l. 33). On the first two see above, Vol. XIII, p. 178 f., and XIV, p. 186. The *Chandrakavāṭ-ānvaya* (l. 23) preserves the name of *Chandrikavāṭa*, on which see above, Vol. XIII, pp. 192-4.

### TEXT.<sup>3</sup>

[Metres : vv. 1, 4, *Śardūlavikrīḍita*; v. 2, *Mahāśragdharā*; v. 3, *Utpalamālā*; vv. 5, 6, 8, *Kanda*; vv. 7, 10, *Anuṣṭubh*; v. 9, *Mattēbhavikrīḍita*.]

- 1 ☉ Śrīmad - bhakti - bhar - ānat - āmara - kīṛṭ - ānargghya - ratna - prabhā - jāl - ālīḍa (dha) - pad - āravinda - yugalāḥ Kandarppa - darpp - āpahaḥ
- 2 trailōky - ōdara - vartti - kīrtti - viśadaś = Chandraprabhas = suprabhō bhavyānām nivaham nirākulam - aluṁ pāyād = apāyāj = Jinah [||\* 1\*]
- 3 Svasti samasta - bhuvan - āśraya Śrī - Prithvi - vallabha mahārāj - ādhirāja paramēśvara parama - bhaṭṭārakam Satyā -
- 4 śraya - kuḷa - tilakam Chāḷuky - ābharanam śrīmat - Trailōkyamalla - dēvara vijaya - rājyam - uttarōttar - ābhivṛddhi - prava -
- 5 rddhamānam = ā - chandr - ārkka - tāram saluttam - ire [\*] Tat - tanayam samadhigata - pariccha - mahā - śabda - mahāmaṇḍalēśvaram Vēngi -
- 6 puravar - ēśvaram samara - prachandam kumara - mārtaṇḍam para - kari - mada - nivāraṇam - Ammana gandha - vāraṇam parivāra - nidhānam

<sup>1</sup> This work was first published in pts. 1-6 of the *Kāyāmbudhi* edited by Padmaraja Pandit (Bangalore, 1893 ff.); but, as far as I am aware, it was never completed in that series. A full text has since been issued, in Śaka 1829 (A.D. 1907), from the Jainendra Press at Kolhapur, edited by Sakharām Nemichand Dosi of Sholapur, who on the title-page ascribes it to Jinasēnāchārya.

<sup>2</sup> Mr. R. Sewell has very kindly pointed out to me that according to the *Sūrya-siddhānta* the *uttarāyana-saṁkrānti* of that year took place 2 h. 10 m. after mean sunrise on Friday, 24 December, but that by the *Brahma-siddhānta*, the *Siddhānta-tīrthamāni*, and probably also the *Rāja-mṛigāṅka* it happened at 2 h. 9 m. 38 s. after mean sunrise on Thursday, 23 December.

<sup>3</sup> From the ink-impression.





- 7 dāna-Kāninaṁ haya-Vatsa-rājam rūpa-Manōjam ripu-nripati-hṛidaya-sellam bhuvan-  
aika-mallam maṇḍalika-śiro-
- 8 maṇi **Chalukya**-chūdāmaṇi vidviṣṭa-saṁhāram kaṭaka-prākāṇam śrinat-  
**Trailōkyamalla-dēva**-pāda-paṁkaja-bhra-
- 9 maraṁ śrī-Sōmēśvara-dēvam Beḷvola-mūnūrum Puligere-mūnūrumaṁ sukha-  
saṁkathā-vinōdadin=ā]ntam-i-
- 10 re tat-pāda-padm-ōpha(pa)jivi || Vṛittam | Vinayakk=ādhāra-bhūtam pati-hita-  
charitakk=āśrayam sad-vivōkakk<sup>1</sup> nivāsa[—]
- 11 saṁpattige kuḷa-bhavanam santat-ānūna-dānukke nidhānam māntanakk=āgaram-  
ene negaḷdam sad-vachō-bhūṣaṇam bhū-vinu[taṁ Be]-
- 12 Idēvan=udyad-vidhu-viśada-yaśo-vyāpta-dik-chakravāḷam || [2\*] Īva guṇam guṇam  
puti-hit-ācharitam charitam par-ōpa[kā]-
- 13 r-āvasath-ārttham=arttham=aḡha-bi(bhi)j-Jina-tat[t\*]vame tat[t\*]vam-eṁba sad-  
bhāvane tammo=ondi nele-vett-ire kīrttige nōntar=int[n]
- 14 Beḷdēvanum=olpan=ālda **Baladēvanum**=aṁkada **Śāntivarmmanum** || [3\*]  
Vachanam || Antu sakaḷa-guṇa-gaṇ-ōttumgarum Jina-dharmma-
- 15 nirmmaḷarum nikhiḷa-jan-ōpakāra-niratarum=udātta-kīrtti-latā-nikōtanarum=**Aggaḷadēva**-  
priya-taṁbhavarum **Gojji**-
- 16 kām̐bikā-kṛīś-ōdara-nibiḍa-nibaddha-paṭṭarum=aḡi pogaḷto-vetta tat-sahōdara-trayadoḷ=  
aḡrabhavan=aḡpa saudhi-vigra-
- 17 h-ādhikāri || Vṛittam | Jina-pād-āmbuja-bhṛiṁgaṇ=Amḡaja-nibham gamy-ārttha-  
ratuākaram Manu-mārggam vinay-ārṇavam Kali-maḷa-pradhvarṇsa-
- 18 kaṁ **Kēśirājana** baṁṭ=iṁ **Naya[sē]na-sūri**-pada-padm-ārādhanā-rakta-chittan-  
udāttam negaḷdam vivōka[— — — —] maḡi-bhāga-
- 19 doḷ || [4\*] Ā mah-ānubhāvam dharmma-prabhāva-prakaṭikṛita-chittan-āḡe ||  
Kandam | **Sinda**[— — —]kan=aḡaḷ-ānandanakara-rā-
- 20 paṇ=asama-sāhasa-niḷayam **Sinda**-nripa-nandanam laṇad-indu-kara-pratima-kīrtti  
kāntā-kāntam || [5\*] Jina-dharmma-nirmmaḷam satya-nidhā-
- 21 nu(nan=a)nūna-dāna[— — — —]an=andina **Kaṁcharasaṁ** Paṁchēshu-nibham  
**Mulgunda-Sinda-dēsa**-lalāmaṁ || [6\*] Eṁba poṇpiṁgam jaṣakkam=āgaram=ā-
- 22 da **Kaṁcharasaṁ** tanna sivaṭad-olage dharmm-ānurāga-chittam sa-hiraṇya-  
pūrvvakam kuḍe kuḍu || Śrī-Mūḷa-saṁgha-vārā-
- 23 saṁ maṇinām=e(i)va s-ārchchishām mahā-purusha-ratnānām sthānam Sēn-ānvayō-  
jani || [7\*] Va | Ā **Chandrakavāṭ-ānvaya**-varishṭha-
- 24 r=**Ajitasēna-bhaṭṭarakar**=ttad-antēvāsiḡaḷ **Kanakasēna-bhaṭṭarakar**=avara śiṣhyar ||  
Kanda | Chāndram Kātaritram Jainēndram Śa-
- 25 bd-ānuśāsanam Pāṇini matt=Aindram **Narēndrasēna**-munIndraṁg=ōk-āksharam  
peraṁg=ivu moggē || [8\*] Antu jagad-vikhyātar=ādar=a-
- 26 vara śiṣhyar || Vṛitta | Ninag=ēn-eṁbeno Śākaṭāyana-muniśan=tāno Śabd-  
ānuśāsanadoḷ Pāṇini Pāṇinīyadoḷe Chāndram Chā-
- 27 ndradoḷ taj-Jinēndrane Jainēndradoḷ=ā Kumārano gaḍam Kaumāradoḷ=pōlpar=ent-  
ene pōlar=**Nnayasēna**-paṇḍitaroḷ=anyar=vvārdhhi-
- 28 vit-ōrvviyoḷ || [9\*] Intu samasta-śabda-śūtra-pārāvāra-pāragar=**Nnayasēna**-paṇḍita-  
dēvara pāda-prakṣhālanam-ge-
- 29 ydu | Śaka-varsham=ombay-nūṛ-ēlpatt-aydaneya **Vijaya**<sup>2</sup>-saṁvatsarad-uttarāyana-  
saṁkrāntiyamdu tīrtthada ba-

<sup>1</sup> The engraver has apparently written another letter (ve ?) after the vō, and then partly blocked it out.

<sup>2</sup> The syllable vi has been omitted, and added below the line.

progress:—**Segara Karavayya** distributed (?) . . . . . **Poravayya** shall preserve (it) for the burgesses of . . . . **Biligilige Mulkaḍara Vaddayya** made (this monument). Happiness! great fortune!

## C.

This fragment is contained on a stone of which the inscribed area is about 1 ft. 10 in. high and 1 ft. 7½ in. wide.—The character is a fine upright **Kanarese** with letters varying in height from ¼ in. to 1½ in., and with a tendency to make the *l* very large. The vowels *ē* and *ō* are usually written in the older fashion; but the later style is used in -*l-ē-*, l. 8, -*r-o-*, l. 7, -*eo-*, l. 8, and -*do-*, l. 11. The palatal nasal occurs in *pañcha-*, l. 4. The *l* is rather archaic in type, but the *j* and *b* are of a rather later style, and the general character is that of the transitional period.—The language is **Old Kanarese**. The words *naliga* (l. 7) and *mattal*, for the commoner *mattar* (ll. 10, 11: cf. above, A. text line 11 f.), are of some lexical interest.

The purport of the inscription, so far as it is preserved, is to record the grant of some land for the maintenance of a temple. It prefaces this by referring itself to the reign of **Kandara-vallabha**, i.e. **Kannara** or **Kṛishṇa III** (ll. 1-3), while the **Mahāsāmantādhipati Śaṅkaragaṇḍa** was governing **Banavāsi** (ll. 4-6) and **Gāmuṇḍiga** was county-sheriff of **Eḍevoḷal** (ll. 6-9).

The places mentioned are the **Banavāsi nāḍu** (l. 6), the **Eḍevoḷal Seventy** (l. 8), the **Pulil-keṛe**, a local tank (l. 9), and the **Buda-kaṇḍa**, some local field or the like (l. 11).

TEXT.<sup>1</sup>

- 1 [ṢSvasti] Śrī-Prituma<sup>2</sup>-vallabha mahār[ā]jādhi-
- 2 [rāja pa]ramēśva(śva)ra paramabhaṭṭārakam śrīmat
- 3 [Ka]ndara-vallabham prītvī<sup>3</sup>-rājyam-geyye [l\*]
- 4 Svasti samadi(dhi)gata-pañcha-mahā-śabda-ma-
- 5 h[ā\*]e[ā\*]mantādi(dhi)pati śrīmat-**Sa(śa)mkaragaṇḍam**
- 6 **Banavāsi-nāḍ-ā**ḷutt-ire [l\*] Svasti śhaḍḡuṇṇa<sup>4</sup>-sām
- 7 dhu(pā)ṇṇa naligar-oḷ-gaṇḍa śrīmat-**G[ā\*]muṇḍiga-**
- 8 **n-Eḍevoḷal-ē**ḷpattakkam<sup>5</sup> nāḷ-gāmuṇḍu-gey[ya]-
- 9 tt-iḷḍu Pulil-keṛeya keḷage vēdhya<sup>6</sup>-dāna-
- 10 da keyy-ir-mmattal-ā keṛeya keḷage bēḡadu nā-
- 11 l-mattal-Buda-kaṇḍadoḷ-nivēdhya(dya)da key-or-matta-

## TRANSLATION.

[Hail!] while the darling of Fortune and Earth, great Emperor, supreme Lord, supreme Master, **Kandara-vallabha**, was reigning over the earth:—while the **Mahāsāmantādhipati** possessing the five great (musical) sounds, **Śaṅkaragaṇḍa**, was governing the province of **Banavāsi**:—hail! while he who is perfect in the six qualities,<sup>7</sup> a true man of valour for friends, **Gāmuṇḍiga**, was holding the county-shrievalty over **Eḍevoḷal Seventy**:—a field (containing) two *mattal* for the supply of oblations, (lying) below the Pulil tank; four *mattal* separately below the same tank; a field (containing) one *mattal* for the supply of oblations in the **Buda-kaṇḍa**—

<sup>1</sup> From the ink-impression.

<sup>2</sup> Read *-Prithuvī-*. There may be an *i* over the *n*, but it is not visible.

<sup>3</sup> Read *prīthuvī-*.

<sup>4</sup> Read *śhaḍḡuṇṇa-*, or *śhaḍ-guṇa-*.

<sup>5</sup> We should expect *-ēḷpattakke*.

<sup>6</sup> Read *nivēdya-*. [*Vaidya-* would also do.—H. K. S.]

<sup>7</sup> Namely lordship, knowledge, glory, fortune, freedom from sensuality, and godliness; or perhaps the six qualities of statesmanship.

<sup>8</sup> On *kaṇḍa* see above, Lakṣmīśvar inscr. C., p. 52, n. 1.

- 30 sadig-āhāra-dāna-nimittam nij-āumbikey=appa Gojjikabbege paroksha-vinayam  
nagara-mahājanamum pañcha-maṭha-sthā-
- 31 namum=aṛiye Nagarēśvarada gaḍimbada kōloḷ=aḷedu Kirugereya keyy-oḷage  
sarbba-bādha-parihāram=a-
- 32 ge [b]i[ḥḥa] key=mattar-ppanneraḍu [\*] ā keyge guḍḍe isānyadoḷ kavileya  
kul āgñyadoḷ=ādityana kal nairi(rri)-
- 33 tyadoḷ chandirana kal vāyavyadoḷ Padmāvatiya kal Asagagereya temka sāsira  
baḷliya tōṇṭav=ondu || Sva-datt[ā]m .
- 34 [para-dattām vā] yō harēta vasundharām [\*] shasṭir=vvarsha-sahasrāṇi  
vishḥāyām jāyatē kṛimih ||<sup>1</sup> [10\*]

## TRANSLATION.

(Verse 1.) May the radiant Jina Chandraprabha, whose blest pair of lotus-feet is licked by the mass of lustre from priceless gems in the coronets of gods bowing (to him) in intensity of devotion, who overthrows the pride of the Love-god, who is brilliant with glory pervading the belly of the three worlds, fully preserve from harm the congregation of the godly (so that it be) undisturbed.

(Lines 3-5.) While the victorious reign of—hail!—the asylum of the whole world, favourite of Fortune and Earth, great Emperor, supreme Lord, supreme Master, ornament of Satyāśraya's race, embellishment of the Chālukyas, Trailōkyamallā-dēva, was advancing in a course of successively increasing prosperity, (to endure) as long as moon, sun, and stars:—

(Lines 5-10.) While his son, the Mahā-Maṇḍalēśvara who has obtained the five great musical sounds, lord of Vēṅgi best of cities, terrible in battle, a sun among princes, checking the fury of foemen's elephants, a fiery elephant to Amma, a treasure to his household, a Kāuṇa [Karna] in bounty, a king of the Vatsas with horses,<sup>2</sup> a Cupid in beauty, a shaft in the heart of hostile kings, unique athlete of the world, head-jewel of feudatory princes, crest-jewel of the Chālukyas, a destruction to foes, a rampart to the camp, a bee to the lotus-feet of Trailōkyamallā-dēva, Sōmēśvara-dēva, was governing the Belvoḷa Three-Hundred and the Puligere Three-Hundred with enjoyment of pleasant conversations:—

(Line 10.) One that finds sustenance at his lotus-feet—

(Verse 2.) As a foundation of courtesy, a resort of loyalty, a dwelling-place of discernment of truth, a native house of prosperity, a treasure of constant unstinted bounty, a home of dignity was Belḍēva renowned, adorned with goodly speech, world-famed, filling the circle of space with glory bright as the rising moon.

(Verse 3.) "Merit is the merit of giving; conduct is loyalty to one's lord; wealth is designed to be a dwelling for beneficence; principles are the principles of the sin-destroying Jinas": as this true conception came and established itself in them, accordingly Belḍēva and the excellent Baladēva and the eminent Śāntivarma fulfilled their religious duties with glory.

(Lines 14-17.) Thus of these three brethren, who were famed as exalted in the series of all virtues, stainless in the religion of the Jinas, unceasing in beneficence to all people, homes of the creeping-plant of lofty fame, dear sons of Aggaḷadēva, and cloths tightly swathing the slender belly of Gojjikāmbikā,<sup>3</sup> the eldest, a Minister of Peace and War—

(Verse 4.) A bee to the Jinas' lotus-feet, like the Love-god, a jewel-mine of fitting thoughts, following the course of Manu, an ocean of courtesy, dissipating the defilement of the Kali Age,

<sup>1</sup> After this verse are some very worn letters; the first two are quite effaced, and the remainder look like *ga ja ka mā la*.

<sup>2</sup> See above, Vol. V. p. 236 n.

<sup>3</sup> [The translation of the phrase *Gojjikāmbikā-kṛis-ōdara-nibida-nibaddha-paṭṭarum* as an adjunct to the three brothers Belḍēva etc. would be more intelligible if rendered "whose fillet (of greatness) was firmly tied (even while they were) in the slender belly of Gojjikāmbikā."—H. K. S.]

## D.

This record is on a stone with inscribed area 2 ft. 6 in. high and 1 ft. 7½ in. broad. The character is a fine upright Kanarese hand, with letters varying from ½ in. to 1 in. in height. The style is somewhat archaic, with features of the transitional period. The ð is written in both the earlier and the later fashion, the ð only in the later. An i of rather archaic type is used in l. 13. A cursive m of the peculiar kind mentioned above appears twice in l. 15; and the y is composed of two parts, not, as is usual, of three.—The language is Old Kanarese, except for the formal Sanskrit verse in ll. 11-13. Some words are lexically interesting, as *mattal* for *mattar*, ll. 6-7 (cf. above, remarks under A. and C.); *damma*, ll. 7-8, *adigal*, l. 7, (?) *garh-bonnu*, l. 8, *vasa*, l. 9.

The record refers itself in ll. 1-3 to the reign of Nityavarsha-Amoghavarsha, with the usual epithets of royalty. This is peculiar, for these two *viradus* are not elsewhere borne by a single king. As the inscription seems to be perfectly genuine, we must conclude either that the draftsman made the mistake of combining the *viradus* of two different kings, which seems rather improbable, or that they were actually borne together by some sovereign. Who this sovereign could have been is a matter of conjecture; but, as our epigraph mentions as his viceroy Saṅkaragaṇḍa, whom we have already met in inscription C., and as *nāḷ-gāmuṇḍa*, Gāmuṇḍiga, who figures in A.-C., it seems at any rate possible that Nityavarsha-Amoghavarsha is the same as Nityavarsha-Khoṭṭiga, the son of Amoghavarsha-Vaddiga and the younger brother and successor of Kṛishṇa III (Kannara) Akālavarsha, so that the date of the inscription would be about A.D. 970.

After mention of the reigning king the record states that at the time the Banavāsi province was under the governorship of Saṅkaragaṇḍa, while Gāmuṇḍiga was *nāḷ-gāmuṇḍa* of Eḍevojāḷ (ll. 4-6), and then sets forth a standing order in connection with the levy of the king's taxes on land and houses in Kēsalūr and some cognate matters.

The places mentioned are the Banavāsi *nāḍu* (l. 4), the Eḍevojā. Seventy (l. 5), and Kēsalūr, i.e. the modern Kyāsanūr (l. 6).

## TEXT.

[Metre: v. 1, *Anuṣṭubh*.]

- 1 Svasti Nithya(tya)va[r\*]sha Śrī-Prii(pri)thuvī-vallabha
- 2 mah[ā\*]r[ā\*]j[ā\*]dhirāja paramēśva(śva)ra paramabāṭharakam<sup>1</sup>
- 3 śrī-Amōghavarisha<sup>2</sup> priituvī-rāja[m\*] geyy[e |\*]
- 4 Sa(śa)mkaragaṇḍa[m\*] Banav[ā\*]si-nāḷ-gāmuṇḍa(śa)ntt-ire [|\*]
- 5 śrī-Gāmuṇḍiga Eḍe(ḍe)vojāḷ-āḷpāt[t\*]akke nāḷ-g[ā\*]-
- 6 vāṇḍa-geyy[e |\*] Kēsalūrgge<sup>3</sup> kōṭṭa(tta) nī(sth)ti matta-
- 7 lge H[ā\*]ṭku damma adigalge māru man(ṇe)-
- 8 ge eraḍṭa māne-damma oṇḍu garh-bonnu māva-
- 9 tta-erāḍṭa arāṣar-arāppo(yvo)ḍ[ā\*] oṇḍu vasada
- 10 ku(ku)ṇa-ikkuge allinḍaṭṭa nāḷ-g[ā\*]vāṇḍa-ikkuvu-
- 11 ḍu || Śva-datt[ā\*]m para-dattadvat<sup>4</sup> vā yō harati<sup>5</sup> na-
- 12 dhipā<sup>6</sup> [|\*] shasṭi[r\*]-varisha-sahasraṇi<sup>7</sup> viśṭeya<sup>8</sup>
- 13 jayyate<sup>10</sup> krimiḥ || [l\*] Idam kēḍa(da)va[m\*]ge anva-

<sup>1</sup> From the ink-impression.  
<sup>2</sup> Read *Amōghavarsha*.  
<sup>3</sup> Read *-dattam*.  
<sup>4</sup> Read *varuṇḍarām*.  
<sup>5</sup> Read *viśṭhāyā*.

<sup>6</sup> Read *-bhāṭṭaraka*.  
<sup>7</sup> Read *-pṛṣṭhā*.  
<sup>8</sup> Read *harāḍa*.  
<sup>9</sup> Read *-varuṇḍarāṣar*.  
<sup>10</sup> Read *Śyast*.

a henchman of **Kṣīrāja**, having moreover a mind fervent in adoration of **Nayasēna Sūri's** lotus-feet, lofty, . . . discernment, he was renowned in the land.

(Line 19.) As this noble man revealed his spirit in his eminent practice of religion :—

(Verse 5.) A . . . of the **Sindas**, one whose form gave delight to women, a seat of peerless courage, son of the **Sinda** king, having fame like the radiant moonbeams, beloved of lovely women,

(Verse 6.) stainless in the religion of the **Jinas**, a treasure of truthfulness, . . . unstinted bounty, is **Kañcharasa**, resembling the (*God of the*) Five Arrows [**Kāma**], an ornament to the **Sindas'** land of **Mulgunda**.

(Lines 21-22.) He who, receiving from **Kañcharasa**, (*i.e.* **Beldēva**) a seat of such greatness and fame, being inspired to religion, made a grant out of his own *śvaṭa*<sup>1</sup> with presentation of gold :—

(Verse 7.) There has arisen the **Sēna** lineage, a seat of radiant gems, jewels consisting of great men, in the ocean of the blest **Mūla Saṅgha**.

(Lines 23-24.) **Ajitasēna Bhaṭṭāraka**, worthiest of the **Chandrakavāṭa** lineage—his disciple **Kanakasēna Bhaṭṭāraka**—his disciple—

(Verse 8.) The **Chāndra** (*grammar*), the **Kātantra**, the **Jainendra** (*grammar*), the **Śabdānuśāsana**, **Pāṇini**, and the **Aindra** (*grammar*) were to the great Muni **Narēndrasēna** a single letter ; to what other man are they possible ?<sup>2</sup>

(Lines 25-26.) Thus world-renowned was his disciple—

(Verse 9.) What shall I say of thee ? As it may be said, “How now, is the great sage **Śakaṭāyana** himself equal (*to Nayasēna*) in the **Śabdānuśāsana**, **Pāṇini** in the **Pāṇintya**, **Chandra** in the **Chāndra**, that **Jinendra** in the **Jainendra**, that **Kumāra** forsooth in the **Kaumāra** ?”, there are no others equal to **Nayasēna-Paṇḍita** on the ocean-girt earth.

(Lines 28-33.) Having laved the feet of **Nayasēna Paṇḍita-dēva**, who is thus a consummate master of all grammatical lore, at the *uttarāyana-saṁkrānti* of the cyclic year **Vijaya**, the nine hundred and seventy-fifth (*year*) of the **Śaka** era, he<sup>3</sup> with the cognisance of the **Mahājanas** of the town and the establishment of the Five **Maṭhas** measured out by the pole of the **Nagarēśvara's** *gaḍimba*-standard and granted for the purpose of supplying food to the temple of the sacred demesne, in pious memory of his mother **Gojjikabbe**, a field of twelve *mattar* in the field of **Kiṅgero**, with immunity from all conflicting claims. The bounds<sup>4</sup> of this field are: on the north-east a stone (*with the figure*) of a cow, on the south-east a stone (*with the figure*) of the sun, on the south-west a stone (*with the figure*) of the moon, on the north-west a stone (*with the figure*) of **Padmāvati**,<sup>5</sup> to the south of **Asagagero** a garden of a thousand creeping-plants.

(Verse 10 : a common Sanskrit formula.)

<sup>1</sup> See above, Vol. XV, p. 105.

<sup>2</sup> *Moggu*, meaning “possible,” “able,” “ability,” etc., is not given in Kittel's Dictionary. Rao Bahadur R. Narasimhachar, to whose kindness I owe the interpretation of this passage, has called my attention to its use in *Pampa-bhārata*, XII, 16, *Pampa's Adī-purāṇa*, VI, 29, *Abhinava-Pampa's Rāmāyana*, I, 39, *Nāgavarma's Kāṭyāvalōkana* 517, and *Āṇḍayya's Kabhigara Kāva* 156.

<sup>3</sup> Namely **Beldēva**.

<sup>4</sup> Properly, *gaḍḍa* means a hill. “In S. Canara, this is sometimes the boundary-mark of lands ; sometimes a stone exists or is placed at the top of a hill to mark the point from which rain-water commences to scatter in all directions and water adjacent lands” (*Kisamwār Glossary*, p. 129).

<sup>5</sup> Cf. *Ind. Ant.*, Vol. V, p. 43 n., *Ep. Carn.*, II (*Śraṇana Belgoja*), intr., p. 25 f., *Madras Archaeol. Report*, 1912-3, p. 6, 1914-5, p. 19, and above, Vol. VIII, p. 126, etc.

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**B.—LAKSHMESHVAR INSCRIPTION OF THE REIGN OF VIKRAMADITYA VI:  
A.D. 1081.**

On the site of Lakshmēshwar (the ancient Puligere, Purigere, or Purikara) I may refer to what I have written above, Vol. XIV, p. 188. The inscription is on a slab which was in the local Kachēri when the ink-impression was made; whence it originally came I do not know. The stone has a rounded pediment with some sculptures, namely a squatting Jina in the centre, with a cow and sucking calf on the proper left, surmounted by the sun (to right) and moon (to left); a figure or figures has apparently been effaced on the proper right. The inscribed area below this is about 3 ft. 2 in. broad and 3 ft. 6 in. high.—The character is a fairly regular Kanarese type of the period, slightly angular and sloping. The letters vary from about  $\frac{1}{4}$  in. to  $\frac{1}{2}$  in. in height, and in places are somewhat worn. The cursive *v* occurs in *avar*, l. 30.—The language is Old Kanarese; the only Sanskrit is verse 1 and a short quotation in verse 7. The archaic *ḷ* is preserved in *pogaḷtegam*, l. 9, *negalṭegam*, l. 9, *iḷduv*, l. 15, *negalḍara*, l. 16, *iḷd*, ll. 18, 24, *negalḍa*, l. 43, *negalḍan*, l. 44; it appears as *r* in *kirttu*, l. 3, *negartte*, l. 46, and as *ḷ* in *Noḷamba*, ll. 8 ff., 23, *pogaḷal*, ll. 17, 26, *negalḍar*, l. 36, *pēḷvaḍe*, l. 39, *pogaḷalk*, l. 42; and it is falsely substituted for *r* in *peḷchutt-ire*, l. 18. It will be noted that in *negalḍara*, l. 16, *negalḍa*, l. 43, and *negalḍan*, l. 44, the second syllable is short metrically, while in *negartte*, l. 46, it is scanned as long (cf. above, Vol. XIII, p. 327); hence it seems likely that *negalḍar*, l. 36, where it is also short, is a scribe's error for *negalḍar*. Lexically interesting are *avasura*, l. 14 (apparently meaning *asura*: cf. *avakriṣe*, *avaguṇa*, etc.), *uddāni*, l. 18 (cf. above, Vol. XIII, p. 327), *bhuvana-buṃbhuka*, l. 19 (ib. pp. 298, 327), *prāḍa*, l. 26, *pabb[e\*]*, l. 26, *arttiga* in the sense of "lover," l. 38, and *gōja* with the meaning of "moon," l. 39 (cf. *abja*).

The record, opening with the stock stanza *Śrīmat-parama-gambhīra*° (l. 1), refers itself in prose and verse to the reign of Tribhuvanamalla, or Vikramāditya [VI] (ll. 2-5), and then introduces his younger brother Jayasimha III, the Yuvarāja or Heir-apparent, to whom, besides many complimentary titles, it gives the full set of names found in some other records, Trailōkyamalla Vīra-Noḷamba Pallava-Permāṇaḍi Jayasimha-dēva (ll. 5-8).<sup>1</sup> After two verses of florid compliments to him (ll. 8-10) and a statement in prose that he was at the time governing the "Two Three-hundreds" (namely Belvola and Puligere), the Banavase Twelve-thousand, the Santaḷige Thousand, and the Kaṇḍūr Thousand (ll. 10-11), it brings in one of his subordinate barons, the *Mahāsāmāntādhipati* Eremayya (also called below Eṛakapa and Eṛega), a high minister, steward of the royal household, and general (ll. 11-13), dwelling in verse upon his virtues and informing us that at the time he was administering the Puligere Three-hundred (ll. 13-19). Six verses follow (ll. 19-26), which expatiate on the equally surprising merits of Eremayya's younger brother Dōṇa, who also held high office in the government; and then comes a series of seven stanzas (ll. 26-34) announcing that on a given date Dōṇa assigned a grant for the Jain cult in Purikara (the modern Lakshmēshwar) to the trusteeship of Narēndrasēna [III], of the Sēna Gaṇa in the Mūla Saṅgha, the senior disciple of Nayasēna Sūri, who in his turn was the senior disciple of Narēndrasēna [I]. We have already made the acquaintance of Narēndrasēna I and Nayasēna in the preceding record; the present record, which quotes stanzas 8-9 of A., now carries the succession one generation further on. Our author next brings on the scene in vv. 23-34 (ll. 34-46) a distinguished family of pious Jains, namely Dinakara (ll. 34-36), his sons Rājimayya (or Rāja) and Dūḍama (ll. 36-42), Dūḍama's wife Eḥikabbe and their daughter Hammikabbe (ll. 42-43), Hammikabbe's husband Arasimayya or Arasayya (ll. 43-44), their son the physician Kannapa or Kanna (ll. 44-45), and Kannapa's sons Indapa, Īsvara, Rāji, Kalidēva, Ādinātha, Śānti, and Pārśva (ll. 45-46). Here the record breaks off; apparently it was

<sup>1</sup> See *Dynast. Kanar. Distr.*, pp. 453 f.





never finished. But it would seem that one of the last members of this pedigree was in some way concerned in the grant, perhaps as having petitioned Dōṇa for it.


Of Dādama certain exploits are reported (ll. 39-42) which are rather obscure, owing to the loose and vague language used by the poet. The words seem to mean : " At the stern command of the sovereign he took captive the Lord of the Eighty-four . . . he in his turn took captive . . . Sōbhana, who in wrath had seized, bound, and cast into prison king Inda . . . By his might of arm he took captive him who had cast his master into confinement, and made him release him." The data given by the record are too scanty to enable us to identify these persons. Very possibly the " Lord of the Eighty-four " may be a Kadamba king, whose dynasty is regularly described in its titles as *chaturāṣṭi-nagar-ādhiśṭhita*, " presiding over eighty-four cities." An inscription of Śaka 907 at Hūli (Elliot Collection, Royal Asiatic Society's copy, Vol. II, fol. 336a.) mentions a person named Sōbhanayya, whose *pergaḍe* made a raid upon Hūli in that year; but it is unsafe to connect him with the Sōbhana of our record.

The date is given on l. 26 as : the sixth year of the Vikrama era, Durmati ; Pushya kṛishṇa 6, a Friday ; the *yōga vyatīpātā* ; the *uttarāyana-samkrānti*. This is regular. The *tithi* mentioned was current on Friday, 24 December, A.D. 1081, when it ended about 9 h. 47 m. after mean sunrise (for Ujjain). The *uttarāyana-samkrānti* occurred on the same day 7 h. 25 m. after mean sunrise, while the *tithi* kṛi. 6 was still current.

The places mentioned are the " Two Three-hundreds " (i.e. those of Belvola and Puligere), l. 10, the Banavāse Twelve-thousand, l. 10, the Sāntāḷigo Thousand, l. 11, the Kaṇḍūr Thousand, l. 11, the Puligere Three-hundred, l. 18, and the town of Purikara (i.e. Puligere), l. 29.

### TEXT.<sup>1</sup>

[Metres : v. 1, *Anuṣṭubh* ; vv. 2, 3, 6, 9, 14, 23, 26, *Mahāśragdhara* ; vv. 4, 5, 7, 10-12, 17-19, 24, 25, 29-32, *Kanda* ; vv. 8, 21, 27, 33, 34, *Champakamālā* ; vv. 13, 15, *Utpalamālā* ; vv. 16, 20, 22, 28, *Mattēbhavikrīḍita*.]

- 1  Śrīmat-parama-gambhīra-syād-vād-āmōgha-lānchchhanam jiyāt-traiḷōkya-nāthasya śāsanam Jina-śāsanam || [1\*]
- 2 Svasti samasta-bhuvan-āśraya Śrī-Pri(pri)thvi-vallabha mahārāj-ādhirāja paramō-śvara parama-bhaṭṭārakam Satyāśraya-kuḷa-tīḷakam Chāḷuky-ā-
- 3 bharaṇam śrīmat-Tribhuvanamalla-dēva || Vṛitta || Dhareyam vārāsi(śi)-paryantam=anavayavadiṁ durvvinit-āvanīpālāra bēraṁ kirttu nīroḷ-galagalan=aled=i-
- 4 ḍ-āḍi mun-nintu chakrēśvarar-ār nishkamṭakam māḍidar-ene mahi nishkamṭakam māḍi chakrēśvara-ratnam santatam pālīsidan-atibalam Vikramāditya-dēvam || [2\*] Antu śrīma-
- 5 t-Tribhuvanamalla-dēvara vṛjaya-rājyam=uttarōttar-ābhivṛiddhi-pravarddhamānam = ā-chandra-tāram saluttam-ire || Tad-anujam svasti samasta-bhuvana-samstūyamāna lō-
- 6 ka-vikhyātam<sup>2</sup> Pallav-ānvayam Śrī-Mahi-vallabha yuvarāja rāja-Paramēśvaram vira-Mahēśvaram vikram-ābharaṇam jaya-lakshmi-rāmaṇam śaraṇ-āgata-rakshāmaṇi Chāḷu-

<sup>1</sup> From the ink-impression.

<sup>2</sup> This *anuvāra* is rather doubtful.

- 14 mādada<sup>1</sup> pale(la)m-akū(kku) alido[m<sup>2</sup>] pañcheha-vaha-  
 15 patakan<sup>2</sup>-akū(kku) Ma[m]gaḍa(la) mah[ā<sup>3</sup>]-giri<sup>3</sup>

## TRANSLATION.

(Lines 1-11.) Hail! while Nityavarsha, darling of Fortune and Earth, great Emperor, supreme Lord, supreme Master, Amoghavarsha, was reigning over the earth:—while Śaṅkaragaḍa was governing the province of Banavāsi:—while Gāmuṇḍiga was holding the county-shrievalty over the Eḍevoḷaḷ Seventy:—an arrangement was laid down for Kṣatūr (as follows): for a mattal (the tax is to be) four damma,<sup>4</sup> for an āḍigal three, for a house two; the damma on houses (is to be) one . . . gold; when the thirty-two Crown-officials<sup>5</sup> hold the survey, they shall provide rice for one year; the county-sheriffs there shall provide (it) thence.

(Verse 1: a common Sanskrit verse-formula.)

(Lines 13-15: a Kanarese prose formula.)

[NOTE.—āḍigalge may have to be corrected into āḍigalge (āḍigalke?) in the sense “for services”; gaṁ may be taken with the word ondu which precedes it and explained as a conjunction corresponding to khaṁ. Evidently 10 dammas equalled 32 pon. In the phrase ondu vasada kūlan-ikkuge I would insert *di* before vasada and translate: “the king, whoever it may be, should provide rice for one day.” In the collection of taxes in former times, the bill collector used to be fed at the expense of the debtor; cf. e.g. my remarks on remission of *vottachchu*, A. R. on Epigraphy (Madras) for 1911, page 77.—H. K. S.]

## E.

This small fragment occupies an area of about 8½ in. in height and 1 ft. 5½ in. in width. The character is a fair Kanarese of cursive sloped type, with letters varying from ½ in. to ¾ in. The *ṣ* is written in both the earlier and the later style, the *ṣ* only in the later. The guttural nasal occurs in 1. 5, the palatal nasal in 1. 1. The ordinary cursive form of *m* is used in *s[ṣ]mantanādhipati* (sic!), 1. 1, *śrīmat*, 1. 2, *-chāsīraman*, 1. 3, and *-g[ā<sup>2</sup>]muṇḍu*, 1. 5. The language is Old Kanarese. The *l* is wrongly written for *r* in *pannīl*, 11. 2-3.

As to matter, the fragment is part of the official preamble of some document, and reports that at a certain date the Banavāsi Twelve-thousand was under the government of the Mahā-sāmantādhipati Kannayya, while the county-sheriff of the Eḍevoḷaḷ Seventy was Polega and the town-sheriff Siṅga. On epigraphic grounds it may be assigned to a date a few years later than the preceding record.

TEXT.<sup>6</sup>

- 1 pañcha-mahāsa(śa)bda-mahās[ā]mantana-  
 2 dhipati<sup>7</sup> śrīmat Kannayya[m] Banavāsi-pa-  
 3 nniḷchā(rehohhā)sīraman-āle ॐ śrīmat Eḍe-  
 4 voḷa[1-ṣ]pattakk[e] Polegaṁ n[ā<sup>2</sup>]l-g[ā<sup>2</sup>]muṇḍu-  
 5 gyye Siṅgan-ūr-ggāmuṇḍu-geyye

## 3. DEVIHOSUR INSCRIPTION OF ŚAKA, 894.

Dēvihosūr, literally “New Town of the Goddess” (probably because of some temple of Dēvi, serving to distinguish it from other towns called Hosūr), is a village in the Karajgi taluka of Dhārwar District; the Bombay Survey sheet No. 309 places it in lat. 14° 47½' and long. 75° 22½', about 4½ miles west of Hāvēri. In 1. 9 of the present inscription, which was found at the local temple of Bhogāśvara, it is called by its ancient name, Posavūr, whence is

<sup>1</sup> Read *aravam śhāda*.

<sup>2</sup> Apparently the same as *dramma*.

<sup>3</sup> From the ink-impression.

<sup>4</sup> Read *pañcha-mahā-pātakan*.

<sup>5</sup> This use of *aravu* for “officer of the king” is noteworthy.

<sup>6</sup> Read *-sāmantādhipati*.

<sup>7</sup> Read *-śrī*.

- 7 kya-chūdāmaṇi kadana-Tripētram kshatriya-pavitrām matta-gaj-Āṅga-rājān saha-ja-  
Manōjam ripu-rāya-sūrekāraṇ=appaṇ=amkakāraṇ śrīmat-Trailōkyamalla
- 8 Vira-Noḷamba Pallava-Permmānāḍi Jayasimha-dēva || Vṛitta || Para-chakr-  
ākāḷa-chakram Naḷa-Nahusha-Nṛig-ādy-ādi-bhūpālak-āḷi-charitam Chāḷukya-  
chūdāmaṇi saha-ja-Manōjam nat-ārā-
- 9 ti - bhūmiśvara - saṁghāt - ōttamāṁg - āchu(bhā)raṇa - maṇi-gaṇa-jyōtir-uttamsa-bhāsvach-  
charaṇaṁ sāmānyanē bhūparol=apagata-vidviṭ-kadambari Noḷamba || [3\*]  
Vachana || Enisida pogallegam negallegam neley=e-
- 10 nisi || Ka || Arasu-guṇaṁgaḷ meṇ-vett-ire paṇe migad-ire jan-ānurāgaṁ pirid-  
āg-ire kīrtti-latike nimirutt-ire Vira-Noḷamban=avanat-āri-kadambari || [4\*]  
Va || Eraḍḍu mūnūrumaṁ Banavāse-pannirōhōhāsīramu-
- 11 maṁ Sāntalige-sāsīramumaṁ Kaṁḍūr-ssāsīramumaṁ sukha-sarṁkathā-vinōdadir  
pratipāḷisuttum-ire | tat-pāda-padma-ōpajīvi | samadhigata-paṁcha-mahā-śabda-  
mahās[ā\*]mantādhipati mahā-pra-
- 12 chaṇḍa-daṇḍanāyakaṁ ripu-mastaka-nyasta-sāyakaṁ sāhitya-vidy-āṁganā-bhujāṁga  
Sarasvati - mukha - kamaḷa - bhṛīṁgaṁ(a)n=ārādhita-Hara - charaṇa-smaraṇa-pariṇat-  
āntaḷ-karaṇaṁ | Sarasvati-karṇa-ābharaṇaṁ
- 13 śrīman-mahāpradhānaṁ mane-verggaḍe daṇḍanāyakaṁ=Eṇeyamayyaṁ || Kaṁḍu ||  
Sakaḷa-kaḷā-Brahmaṁ Brahma-kuḷ-ārkkam Vatsa-gōtra-ratnākara-śītakarāṁ  
kīṛiyane bhuvana-prakaradoḷ=a-
- 14 ri-mṛityu-bhūpan=Eṇega-chamūpaṁ || [5\*] Vṛi || Eḷeyoḷu sādṛiśyam=appaṁd=  
Eṇega-vibhūge biṇṇi[m\*]geḷ guṇṇiṁge tiṇṇiṁge=ēḷe pārā[v]āram=Indr-āchaḷam=  
avasuraṇiṁ Rāmaṇiṁ Kṛiṣṇaṇiṁ saṁchaḷam [— —]
- 15 śliṣṭa-gaṁbhīramuṁ=aṁ(a)guruvuv=āg-iḷduv=ārāyṇe bēṛ=ōṁd=ēḷe bēṛ=ōnd=abdhī  
bēṛ=ōnd=animiṣa-nagaṁ=ettānuṁ=uṁṭ=appaḍ=ak[k\*]uṁ || [6\*] Kaṁḍu ||  
Parikipoḍe hasti-maśak-āntaram=enipudu taṇ[na]
- 16 [gu]ṇaḍa negaḷdara guṇaḍ=antaram=ene guṇṇi(ṇē)shu kō matsara eṁba budh-  
okta[m]-Eṇega-vibhūge sad-uktaṁ || [7\*] Sad-amaḷa-kīrtti-vallari diṣ-  
āntaramaṁ teṇap=illad=antu parvividudu parākramaṁ
- 17 [∪ ∪]sam=itṭudu biṇṇ-eshamāna<sup>2</sup>-bāhyam=ādudu charitaṁ śikhā-padamaṁ=eydidud=  
ārppina sōnu matte puṭṭidan=enip=antuṭ=āyt=Eṇegan=unnatiyaṁ pogalal=  
samarthar=ār || [8\*]
- 18 Enis-iḷd-i khyāti vikhyāṭige salut-ire santam basantam tadīy-āvanig=eṁb=uddāṇi  
peḷ-chu(rechu)tt-ire Puligere-mūnūrumaṁ svāmi-sampattina peṁpaṁ tāḷdi  
kai-koṇḍ-anubhavi-
- 19 [s]utta(ta)m=audāryaḍiṁ satyaḍiṁ Karṇaṇumaṁ mikka-utsavaṁ=ppe(ḥe)tt-irala  
Eṇega-chamūpaṁ Bal-Indra-rājya<sup>3</sup>-avarūpaṁ || [9\*] Kaṁḍu || Tad-anujan=  
aparimita-guṇ-āspadau=esedaṁ bhuvana-būmbhukaṁ sura-pa-
- 20 ti-sampadan=atula-bhūja-balaṁ para-sudati-prakara-Prasāna-bāṇaṁ Dōṇaṁ || [10\*]  
Kalitanadoḷ Kuru-kula-saṁkula-mathanana tamman=anupamān-ākṛitiyoḷ  
Baladēvana tamman bhūja-bala-
- 21 doḷ Yama-sutana tamman=Eṇegana tamman || [11\*] Eṇegan=ādi-modalol=ari-  
nripaṇ=eraḷiḍḍ=adan=ariyaṇ=eraḷad-irala=[e\*]mb=āḍ<sup>4</sup>=āg=eraḷisugum griddhr-āḍigaḷ=  
eraḷal=pati-kārya-

<sup>1</sup> This word has been omitted in the line and inserted between lines 15 and 16.

<sup>2</sup> Read *upamāna*.

<sup>3</sup> Delete *rājya*.

<sup>4</sup> Read *āḍ*.

derived °*hosūr*, the second element of the modern name. The stone is rounded at the upper corners, and in a band on the top are sculptures of the sun (proper right) and moon (left). Below this is an inscribed area about 2 ft. 3½ in. high and 17 in. broad. It is somewhat damaged on the proper right side, from the top downwards to l. 5.—The character is a bold Kanarese hand of the period, somewhat affectedly angular in ll. 1-5; the letters vary in height from ¼ in. to 1½ in., and belong to the transitional type. The vowels *ē* and *ō* are written in the later manner, except in *trayōdasi* (l. 7), °*janakke* (l. 9), and *bēḷva* (l. 10).—The language is Old Kanarese, but not of the more archaic type.

The record opens by referring itself in ll. 1-4 to the reign of Akāḷavarsha Kannara-dēva (the Rāshtrakūṭa Kṛishṇa III, on whom see *Dynast. Kanar. Distr.*, pp. 418-422), while his subordinate Garvīndara was governing the Banavāsi nāḍu<sup>1</sup> (ll. 4-5). It then states that on a given date in Śaka 884 an impost of 55 *gadyāṇas* was required of the Mahājanas of Poṣavūr, from the interest of which certain Brāhmanas were to be fed at the *samkrānti* in the house of Binaga,<sup>2</sup> son of Mālakka (ll. 6-13); and it concludes with a pious prayer that religion may increase for all time (ll. 13-14).

The date is specified on ll. 6-9 as Śaka 884, Dundubhi; Pausa śu. 13, Sunday; the *uttarāyana-samkrānti*. There is a slight irregularity here. The Śaka year intended is the current year, corresponding to Dundubhi of the Northern Cycle; the *tithi* Pausa śu. 13 was connected in that year with Sunday, 22 December, A.D. 961, ending 18 h. 8 m. after mean sunrise (for Ujjain). The *uttarāyana-samkrānti* occurred on the following Monday, 23 December, at 6 h. 25 m. after mean sunrise. Thus the *tithi* ended at 0.8 A.M. and the *samkrānti* occurred at 12.25 A.M. on the same day, Monday. These calculations are by true *tithis*; but if we reckon with mean *tithis* and months the result is rather different, for thus śu. 13 corresponds to Monday, 23 December (being current during 20 h. 36 m. of the preceding Sunday, and ending 3 h. 24 m. after mean sunrise on the Monday), while the *samkrānti* occurred 16 h. 54 m. 22 s. after mean sunrise on the Monday.<sup>3</sup> It is thus impossible to say whether the date in the inscription was calculated by true or by mean *tithis*.

The only place-names mentioned are the Banavāsi nāḍu (l. 5) and Poṣavūr, i.e. Dēvihosūr (l. 9).

TEXT.<sup>4</sup>

- 1 [Svasty=A]kāḷavarsha-dēva Śrī-Prithvi-valla-
- 2 [bha ma]hārājādhirāja paramo-
- 3 s[va](śva)raṁ [para\*]mabhaṭṭārakam Kannara-dēva[m\*] rā-
- 4 [jyaṁ]-geyye tat-pāda-padma-ōpajī-
- 5 [vi] Garvīndaram Banavāsi-nāḍan-āḷe
- 6 Sa(śa)ka<sup>5</sup>-varsha 884 Dundubhi-samvatsa-
- 7 r-āntarggata-Pausa-su(śu)ddha-trayōdasi(śi) Ā-
- 8 ditya-vāram-uttarāyana-samkrānti-
- 9 yandu Poṣavūra mahājanakk-a-
- 10 yvatt-aydu gadyāṇa ponna bēḷva kara[m]
- 11 Mālakkaṇa magam Binagaṅge sam-
- 12 krāntiyol-maneyol-orvvar-brāhmaṇa-
- 13 r-uṇḍa phalaṁ chamdr-ādityar-uḷḷina[m\*]
- 14 dharmmam-abhivṛddhige salvudu maṅgaḷa

<sup>1</sup> This same Garvīndara appears in a record of Śaka 890 (Prabhava) as ruling a part of the Banavāsi Twelve-thousand under Khoṭṭiga (*Epigr. Carn.*, Vol. VIII, Sh. 581).

<sup>2</sup> This name seems to be the same as *Benaka*, derived from the Sanskrit *Vanaka*.

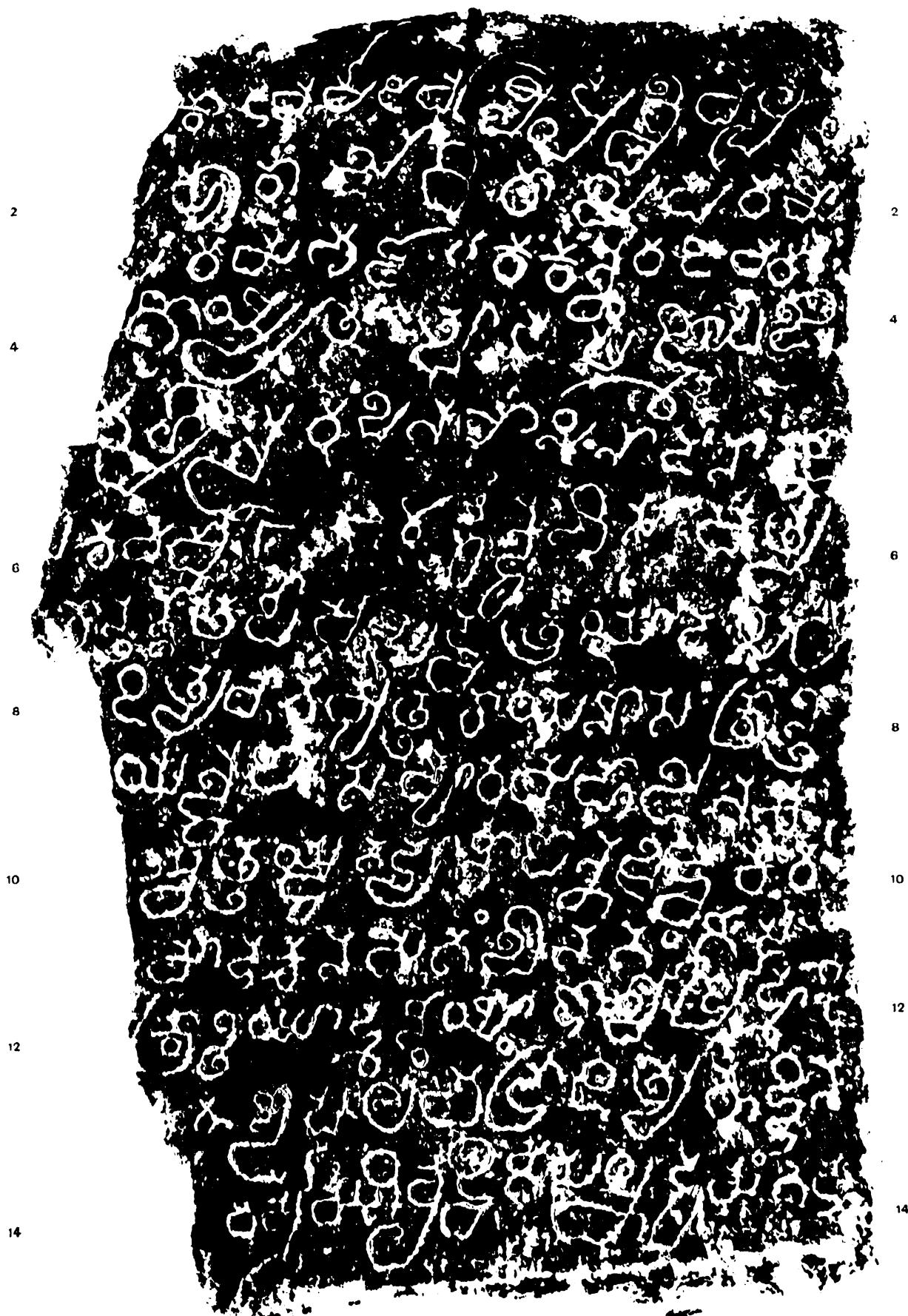
<sup>3</sup> I am indebted for these results of mean calculation to Mr. Sewell.

<sup>4</sup> From the ink-impression.

<sup>5</sup> Only the second half of the *s* is visible, but it is enough to shew that the engraver cut an *s*, not a *ś*.

- 22 bhara-dhurīṇaṃ Dōṇaṃ || [12\*] Vṛii(vṛi)ttam || Kēm(kē)ṇam-udārado! koṛate  
saj-jana-vṛittiyol=eggu śīlado! kāṇale bārad=emdoḍe peṛar=ssaman=appare  
mārtiya-lōkado! Dōṇano-
- 23 1-aṃgaṇa(nā)-Kusuma-bāṇano!-ishta-viśiṣṭa-saṃkula-trāṇano!-Abja-sambhava-samāna-  
samasta-kalā-praviṇano! || [13\*] Param-āpta-svāmi deyvaṃ Paśupati jita-  
vidviṭ-kadambari Noḷambam
- 24 pored=ūlḍam tamde śumbhattara-guṇa-gaṇadin mikka Tikkaṃ vibhāsvach-  
charit-āḷaṃkāre Kalvambike janani tadiy-āgrajam daṇḍanāth-ōtkara-ratnaṃ.  
rūḍi-vett-iḷd=Erakapan=ene Dōṇaṃ jasakk=irkke-dā-
- 25 ṇaṃ || [14\*] [I] Kali-kālado! viśama-kālado!-ubbaṭey=āytu dharmma-ratnākaraṃ=  
ērvvinam palavu kālādin=īkshisaḷ=ādud=iṃtu kō!-pōkume dharmmam=end=osedu  
tannana kautukam=āge mō-
- 26 diṇi-lōkam=aśōṣam=omde koralo! pogaḷal=paḍichandam=appinaṃ || [15\*] Kamaniya-  
krama-Vikram-ābda-tati-shaṭkaṃ Durmmati-prābda-Pushyam=aśuklaṃ Bhṛigu-  
shashṭiy=oppal=avaḷo! kūḍalu
- 27 vyatipātam=emba mahā-yōgamum=uttarāyaṇa-mā(ma)hā-saṃkrāntiyu[m\*] mānav-  
ōttaman=and=uj[j\*]vaḷa-kīrtti Dōṇaṃ=uru-dharmma-trāṇaṃ=utsāhadin || [16\*]  
Kanda || Parama-Jina-samaya-ratnā-
- 28 kara-himakara-Mūḷa-saṃgha-sambhava-śōbh-ākara-Sōṇa - gaṇa - nabha[s\*]sthaḷa-sarasija-  
bāndhavara sita-yaśa[s\*]-śrī-dhavarām(ra) || [17\*] Vara-munipara vinata-  
kshitipara niravadyara Narēmdrasēna-
- 29 traividyaṃ pāda-prakṣhāḷana-purassara[m] divya-purado!-i Purikarado! || [18\*]  
Chāmdram Kātamtram Jainēmdram Śabdānuśāsanam Pāṇini matt=Aimdrām  
Narēmdrasēna-mu-
- 30 nīmdramg=ōk-āksharam peṛamg=ivu moggō || [19\*] Avar-agra-śiṣhyam ||  
Ninag=ēn=embeno Śākaṭāyana-munīsam tāne Śabdānuśāsanado! Pāṇini  
Pāṇintyado!u(ḷe) Chāmdram Chāmdrado!u taj-Jinēmdra-
- 31 ne Jainēmdrado!-ā Kumārane gaḍam Kaumārado!-pōlpar=ent=ene pōlar=Nnaya-  
sēna-paṇḍitaro!-anyar=vvarddhi-vit-ōrvviyo! || [20\*] Sarasatiam manō-mudado  
tāḷḍidan=ennan=avajñe-geydan=ān=iron=avaḷ=irkke ohiḷ
- 32 savatiyol=pudu-vālvudu kashṭam=endu nishṭhura-vachanaṃgalam nuḍidu dik-  
kariyam parid=ēri kīrtti tām puruḍisi dūṛipal=vara-tapōnidhiyam Nayasēna-  
sūriyam || [21\*] Avar-agra-śiṣhyar || Nata-bhā-
- 33 pēmdra-kirīṭa-tāḍita-pad-āmbhōja-dvayam nūtan=apratim-ābhā-ravi tāra-hāra-Hara-  
hās-ākāsa(śa)-nīhāra-viśruta-kīrtti-pramad-ānan-ābja-mukuram hā bāppu  
sāmānyamō śruta-vārāsi(śi) Narēmdra-
- 34 sēna-munipam traividya-chakrēśvaram || [22\*] Jita-vidviṣṭa-pratāp-ānvitadin-  
adhika-śauryyatvad=āṭōpadimnd-ārjjita-bhāsvaj-Jaina - dharmm-ārppita - dri(dṛi)ḍa(dha)  
matiyim vipra-vamō-āmbar-āharppatiy<sup>1</sup>=emb=omd=udgha-tōja[s\*]tvadin=atu-
- 35 1a-bal-aśvāryyadin tyāgad=omd=unnatiyindam satyadimdam Dinakaran=atiśōbh-  
ākaram puṇya-pumja || [23\*] Dinakaran=ōdayado! tamam=anituṃ tūḷd=ōḍuv  
ante mithyāṭva-tamam Dinakaran=udi(da)yise nija-kuḷa-
- 36 vanadin tūḷd=ōḍi kiḍuvud=ēm vismayamō || [24\*] Ātana tanayar=jjana-vikhyātar=  
Jjina-pada-payōja-bhṛimgar=vvinay-ānvitar=ene negaḷdar=akhiḷa-kehmāṭaḷado! Rāji-  
māyyanum Dūḍamanum || [25\*] Vṛitta ||

Devihosur Inscription of Saka 884.



- 37 Jina-pād-āmbhōja-bhṛīṅgam sujana-jana-manō-rāṁjanam viśva-dhātri-vinutam dig-  
danti-dant-āsri(śri)ta-viśada-yaśo-bhāsi śiṣṭ-śiṣṭa-kalp-āvanijam sat-pātra-dān-  
ādhikan=enute mauṣ-rāgaḍim kūrṭtu vidvaj-janam=e-
- 38 Hail! baṇṇikuṁ Rājanan=amaḷa-lasat-tējanam nichcha-nichcha || [26\*] Manu-  
muni-mārgga-uṇṇa Jina-pūjeyoḷ-arttigan=enḍu dāniy=enḍ-anupama-tējan=enḍu  
śuchiyy=enḍu dayā-paran=enḍu nichchalum manam=o[ṣe]-
- 39 d=akkarim biḍade baṇṇisugum jagam=eyde kūḍe Rājanan=ina-tējanam pasuge  
gōjanan<sup>1</sup>=āśrita-kalpa-bhūjana || [27\*] Tat-priy-ānujana sau(śau)ryyad=aḷavam  
pōḷvade || Kaḍupindam
- 40 dharapīṣvaram besaso chaurāsīṣanam bandiyam piḍidam sāhasadiṇḍaman  
muge(gi)yan=Ind-ōrbbiṣanam kōpadim piḍid=uyd=ā serey-iṭṭa Sōbhananan=  
aty-āścharyyadim bandiyam piḍi-
- 41 dān tān=ene sau(śau)ryyad=ond=aḷav-ad-ōm sāmānyamē Dūḍana || [28\*] Nija-  
patiyam sere-viḍidode bhuja-baḷadim bandi-viḍidu biḍisidan=end-i trijagam  
baṇṇisugum sa[d\*]-dviya-kulanam sau(śau)ryya-
- 42 sā(śa)liyam Dūḍamana || [29\*] Int=enisida Dūḍana vara-kānte Maṇḍbhavana  
kāntegam rūpiṇoḷ=atyantam migil=ene pogaḷalk=entum nerey-aṇiyar=Ēchikabbeya  
rūpa || [30\*] Ant=avargge(rge) puṭṭidaḷ sura-kā-
- 43 nt-ōpame vichaḷad-aḷi-kul-ūḷaki(ke) viḷasan-māntana-samēto budha-jana-chintāmaṇi  
Hammikabbe lalanā-ratna || [31\*] Ā negaḷda Hammikabbeg=anūna-priya-  
vallabham Maṇḍbhava-rūpam dānad=eḍe-
- 44 g=andin=A Kānīnana vol negaḷdan=Arasimayyam jagadoḷ || [32\*] Anupama-  
dāna-śīla-guṇa-bhūṣhaṇa-bhūṣhitey=āda Hammikā-vanitegam=atyudāran=Arasayya-  
mahā-vibhugam vint-
- 45 tan=olpina kaṇi vaidya-śāstra-kusāḷam sujan-āgraṇi vaidya-Kannapam tane(na)yan=  
enalle nōntan=ene Kannana vol kṛita-puṇṇyan=āvanō || [33\*] Jina-pada-  
pamkaja-bhramaran=Indapan=udgha-guṇ-ābdiy=Īśvaram vi-
- 46 ne(na)ya-viḷāsi Rāji sujanam Kalidēvan=aganya-punya-varddhanakaran=Ādināthan-  
adhikam śuchi Śānti negarte-vetta Pārśvanum=ivar=ātma-jātar=ene Kannana  
vol kṛita-puṇṇyan=āvanō || [34\*]

## TRANSLATION.

(Verse 1.) Victorious be the commandment of the Lords of the Three Worlds, enjoined by the Jinas, bearing for token the blest supremely profound doctrine of (*different*) possibilities of predication.

(Lines 2-3.) Hail! the refuge of the whole world, favourite of Fortune and Earth, great Emperor, supreme Lord, supreme Master, ornament of Satyāśraya's race, embellishment of the Chāḷukyas, Tribhuvanamalla-dēva—

(Verse 2.) What emperors have completely torn up the roots of froward monarchs, scattered them with hurtling sling into the waters, stood up in the fore-front, and cleared the earth of thorns, right up to the (*surrounding*) ocean? A gem of emperors, the exceedingly puissant Vikramāditya, has cleared the earth of thorns and constantly protected it.

(Lines 4-5.) So, while the victorious reign of Tribhuvanamalla-dēva was advancing in a course of successively increasing prosperity, (*to endure*) as long as moon and stars :—

<sup>1</sup> See note on translation, below.





(Lines 5-8.) His younger brother—hail !—he who is praised by the whole world, renowned among men, scion of the Pallavas, darling of Fortune and Earth, heir-apparent, Paramēśvara [Supreme Lord] among kings, Mahōśvara [Great Lord] among warriors, adorned with valour, minion of the goddess of victory, guardian-gem to refuge-seekers, crest-gem of the Chālukyas, Triṇētra [Śiva] in the fray, purifying the Kshatriyas, a king of the Aṅgas [Karna] to fiery elephants, a natural Love-god, plunderer of hostile kings, champion of his elder brother, Trailōkyamalla Vira-Noḷamba Pallava-Pormānaḍi Jayasimha-dēva—

(Verse 3.) Noḷamba, a fatal discus against foemen's dominions, following the course of the series of primitive kings such as Nala, Nahusha, and Nṛiga, a crest-gem to the Chālukyas, a natural Love-god, whose feet are illumined by wroaths of lustre from numbers of gems adorning the heads of the crowd of bowing hostile monarchs, he whose enemies' hosts have fled—is he ordinary among kings ?

(Lines 9-10.) Being known as a subject of such praise and distinction—

(Verse 4.) Vira-Noḷamba, in whom are embodied the royal virtues, who has no foes remaining, towards whom the people's affection waxes great, the creeping-plant of whose glory stands erect, has hosts of foes bowing before him.

(Lines 10-11.) While he was protecting the Two Three-hundreds,<sup>1</sup> the Banavāse Twelve-thousand, the Sāntāḷige Thousand, and the Kaṇḍūr Thousand with enjoyment of pleasing conversations :—

(Lines 11-13.) One who finds sustenance at his lotus-feet, the Mahāsāmantādhipati who has obtained the five great musical sounds, great august General, setting arrows on the heads of foes, gallant to the lady the art of literature, bee to the lotus-face of Sarasvatī, he whose soul is matured by remembrance of Hara's feet adored (*by him*), a jewel in the ear of Sarasvatī, the High Minister, Steward of the Household, (*and*) General, Eṛemayya—

(Verse 5.) A Brahmā in all arts, a sun of the Brāhmaṇa race, a moon to the ocean of the Vatsa gōtra, a king Death to foes, is the General Eṛega a man of slight account in the series of worlds ?

(Verse 6.) If the lord Eṛega has a resemblance (*to anything*) on earth, it is the earth, the ocean, (*and*) Indra's mountain<sup>2</sup> (*to which he may be compared respectively*) for weightiness, profundity, (*and*) solidity. (*But*), if one considers, the earth, which became tremulous through the Demons,<sup>3</sup> may become something different, the ocean, which had its profundity diminished by Rāma,<sup>4</sup> may become something different, the celestial mountain, which became light of weight through Kṛishṇa, may become something different, if sometime the case should happen.

(Verse 7.) If one reflects, the distance between his merit and (*other*) illustrious men's merit may be said to be the distance between an elephant and a gnat ; hence the sages' phrase " what envy is there for merits ? " applies well to the lord Eṛega.

(Verse 8.) The creeping-plant of (*his*) goodly stainless glory has thus overspread the regions of space so that there is no gap ; (*his*) valour has wrought . . . ; (*his*) weightiness is beyond comparison ; his conduct has reached a crowning degree ; it has been such that they say " a son of strength<sup>5</sup> has again been born " : who are able to praise (*adequately*) Eṛega's eminence ?

(Verse 9.) As he lives in such fame and repute ; as (*his*) distinction, in which he is known as a sweet springtime to his land, continues to increase ; as he enjoys the government of the

<sup>1</sup> Belvola and Puligere.

<sup>2</sup> Apparently Gōvardhana, which was lifted by Kṛishṇa.

<sup>3</sup> Cf. *Rig-vēda* II. xii. 2, X. xlii. 8, *Vedische Studien* i. 174.

<sup>4</sup> Namely when the *Sēta* or causeway was built from India to Ceylon.

<sup>5</sup> This phrase seems to be a version of the Vedic *sahasāḥ putra*.

## No. 22.—PADMANERI GRANT OF VENKATA I : SAKA-SAMVAT 1520.

By V. NATESA AIYAR, B.A., M.R.A.S., PESHAWAR.

The subjoined grant is published with the aid of an excellent inked estampage, kindly supplied to me by Rao Sahib H. Krishna Sastri, Government Epigraphist for India. It is noted as No. 14 of Appendix A in the *Annual Report on Epigraphy* for 1905-6.

The copper-plates on which the grant is incised are seven in number, as can be judged from the Telugu numerals at the right-hand corner, and they are bored at the top for the insertion of a ring and seal, which, unfortunately, are no longer to be found.<sup>1</sup> Of these plates the first and the last are carried only on the inner side, and the remaining five on both sides. The space covered by the writing measures  $7\frac{1}{4}'' \times 7\frac{1}{8}''$  on each plate, while the size of the individual letters varies from  $\frac{3}{16}''$  to  $\frac{1}{4}''$ . The alphabet is Nandināgarī, with the exception of the 'sign-manual' at the end, which is in the Kannaḍa-Telugu script.

Among the orthographical peculiarities and errors which occur in the grant may be mentioned (1) the doubling of consonants when preceded by *r*, as in °*turyyō* (l. 7), °*tarttiyko* (l. 10), °*sauryyēṇa* (l. 21), °*durgga*° (l. 55), °*r=ddadāti* (l. 149); (2) the doubling of *d* when preceded by an *anuvāra* or followed by *y*, as in °*ruṁddhati*° (l. 29), °*maddhyē* (l. 46), °*saiṁddhava*° (l. 70), °*siddhya*° (l. 117); (3) the use of *anuvāra* instead of nasal, as in °*syāpāntē* (l. 46), °*Veṁgalāṇbā* (l. 54), °*koṁḍaviḥu*° (l. 56), °*catayam* (l. 100), °*braṁhāṁḍam* (l. 136), °*v-āṁdrān* (l. 269); (4) the omission of *visarga* before conjunct sibilants, as in °*kāmini eva*° (l. 15), °*rāja kshitau* (l. 38), °*d-anuja sri* (l. 62), °*dhē sri*° (l. 122), °*prayatai sni*° (l. 164); (5) the use of dental *n* for cerebral *ṇ* as in °*varṇita*° (l. 88), °*svarna*° (l. 228); (6) the use of *yi* for *i* and *ye* for *e* and *vice versa* as in °*yātā*° (l. 33), °*yiti*° (l. 88), °*māita*° (l. 94); and (7) non-adherence to Sandhi rules, as in °*m-abhūt=śilā* (l. 2), °*śrinut=cha*° (l. 170), °*y-ōtbbhūta*° (l. 191).

The inscription consists of 159 Sanskrit verses and opens with an invocation to the god Śrī Venkaṭeśa in prose. The peculiar Sanskrit words and the royal *birudas* used in this epigraph are the same as in the other published records of this king and of his successors Venkaṭa II and Raṅga VI.<sup>2</sup>

The genealogy of the king (vv. 3-28), both mythological and historical, agrees precisely with that given in the inscriptions already referred to, while the description of his virtues and exploits (vv. 29-45) adds nothing to what is contained in the Viṣṭāpaka grant.<sup>3</sup>

Verses 46-47 give the date of the grant, which was the twelfth tithi of the bright fortnight of the month of Śrāvaṇa in the Śaka year reckoned by the sky, the eyes, the arrows and the moon (i.e. 1520), the cyclic year being Viṣambin. This date corresponds with A.D. 1598.

The grant was made in the presence of the god Venkaṭeśa, evidently on the Tirumala hill, and at the request of Kṛishṇa, the Nāyaka king of Madhurā. The latter's pedigree, as shown in

<sup>1</sup> These plates were originally in the Collector's office, Tinnevely, and had their ring and seal intact at the time when they were examined by Mr. Sowell (*Lists of Antiquities*, Vol. II, p. 17, No. 111).

<sup>2</sup> Vide *Ep. Ind.*, Vol. IV, pp. 269 ff.; *ibid.*, Vol. III, pp. 236 ff.; *Ind. Ant.*, Vol. XIII, pp. 125 ff.; *ibid.*, pp. 158 ff.; and *Ep. Ind.*, Vol. XI, pp. 326 ff.

<sup>3</sup> *Ep. Ind.*, Vol. IV, pp. 269 ff.

**Puligere** Three-hundred while maintaining the high degree of his lord's fortunes, and holds a happy course transcending even Karna in generosity (and) truthfulness—the General **Erega** is of the same quality as Balin and Indra.

(Verse 10.) His younger brother **Dōṇa**, a seat of unbounded merit, a *bhuvana-bumhuka*,<sup>1</sup> enjoying the fortunes of the Lord of the Gods [Indra], peerless in strength of arm, a (God of the) Flowery Arrows [Kāma] to the multitude of enemies' wives, has become eminent.

(Verse 11.) **Erega's** younger brother is in valour the younger brother of him who shattered the troop of the Kuru race [Arjuna], in incomparable beauty the younger brother of Baladāva [Kṛishṇa], in might of arm the younger brother of Yama's son [Bhīma].

(Verse 12.) When enemy kings are bowing at the base of **Erega's** feet, it is **Dōṇa** who makes them bow, so that their cry is "I cannot but bow"; he bears the burden of his lord's business, while the covetous and their like stoop (*before him*).

(Verse 13.) As there appears no grudging in (*his*) generosity, nor shortcoming in his worthy conduct, nor shame in his behaviour, are any other men in the world of mortals equal to **Dōṇa**, who is a (God of the) Flowery Arrows to women, a preserver of a multitude of agreeable cultured men, an expert in all arts equal to the Lotus-born [Brahman].

(Verse 14.) His deity is Paśupati, a supremely helpful lord; **Noḷamba**, conqueror of hosts of foes, has cherished and supported him; his father is **Tikka**, eminent for a series of brightest virtues; his mother is **Kalvāmbike**, adorned with brilliant conduct; his elder brother is the renowned **Erakapa**, a gem of the company of generals: thus **Dōṇa** is a dwelling-place for glory.

(Verse 15.) In this Iron Age, this time of stress, there has been an outcry<sup>2</sup> at the rise of an ocean of righteousness, so that it would seem as if the people of the earth altogether with one voice in their delight were joyously uttering praises, saying: "after a long time it has become visible, thus righteousness is coming to hand!"

(Verse 16.) Whilst Pushya of the year Durmati, the sixth in the series<sup>3</sup> of the years of **Vikrama** delightful in their course, the dark fortnight, and Friday and the sixth (*lunar*) day were in progress, while with these coincided a *mahā-yōga* consisting of *vyatipāta*<sup>4</sup> and the great *uttarāyana-saṁkrānti*, the excellent man **Dōṇa**, brilliant of fame, preserver of wide righteousness, here with generosity—

(Verses 17-18.) Having laved in this **Purikara**, a divine city, the feet of **Narēndrasēna Traividya**,<sup>5</sup> who is a moon to the ocean of the supreme Jinas' Church and a lotuses' friend [sun] in the sky of the **Sēna Gaṇa**, that mine of lustre sprung from the **Mūla Saṅgha**, who is a bridegroom of the goddess of white fame, a chief of worthy ascetics, one to whom monarchs bow down, a man without fault—

(Verse 19: identical with verse 8 of inscription A.)

(Line 30.) His senior disciple—

(Verse 20: identical with verse 9 of inscription A.)

(Verse 21.) "He has cherished Sarasvatī with delight of spirit; me he has despised; I do not exist while she is present—fie! to cohabit with a rival wife is hard!"—uttering these harsh words, swiftly mounting the elephant of the sky-quarter, Fame herself enviously reviles the worthy ascetic **Nayasēna Sūri**.<sup>6</sup>

(Line 30.) His senior disciple—

(Verse 22.) Ho! hurrah! is the great ascetic **Narēndrasēna**, the emperor of masters of

<sup>1</sup> See above, Vol. XIII, pp. 298, 327.

<sup>2</sup> Or, possibly, "elation."

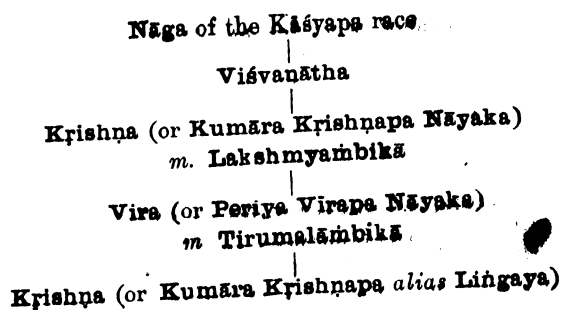
<sup>3</sup> Properly *ṭaṭi-śaṭka* means a series of six.

<sup>4</sup> The *yōga* when the declination of sun and moon is equal.

<sup>5</sup> Explained as "learned in *āgama*, logic, and grammar," *I. A.*, Vol. XIV, p. 23 n. The Jain "threefold lore" is elsewhere defined as *śābd-āgama*, *yukty-āgama*, and *param-āgama*.

<sup>6</sup> An example of the rhetorical artifice of *vyāja-stuti*.

the present record (vv. 58-78), tallies exactly with what Mr. Sewell has given,<sup>1</sup> but is not included in the Kūniyūr Plates of Venkata II.<sup>2</sup> This pedigree can be shown as follows :—



As to the martial exploits and public charities of these Nāyaka kings, the record says that Viśvanātha, son of Nāga, defeated the Tiruvaḍi king and the great Pāṇḍya Vāṇāda-rāya<sup>3</sup> and his allies in battle and established his sway over the kingdom of Madhurā (v. 59); that his grandson Virapa Nāyaka constructed a sculptured *maṇḍapa* in front of the shrine of Sundarāśa, the presiding deity of Madura, gave the goddess Minākshi a golden *kavacha* set with gems, instituted *pūjās*, performed the ceremonies and made the gifts *hēma-śva*, *hēma-garbha*, *kaṇaka-maṇi-tulā-pūruṣa*, etc. (vv. 63-64); that Virapa Nāyaka's son Kṛishṇa obtained the grace of Raṅgapati (*i.e.* the god of Śrīraṅgam) by gifts of jewelled *kavachas*, silk garments, and rich ornaments, such as diadems, ear-rings, and waistband, by the endowment of villages, gardens and orchards, by the celebration of car-festivals and by the due performance of daily rituals in his temple (v. 69); and that he also founded *agrahāras* for the exclusive use of Brahmins well-versed in *śāstras*, and bestowed villages on them in perpetuity.

The object of the grant was the village of Padmanēri (ll. 107 sqq.), surnamed Tirumalāmbapuram, presumably after Kṛishṇa-Nāyaka's mother, and belonging to the Tiruvaḍi-rājya,<sup>4</sup> in Vāṇava-nāḍu, and in Pachchāttuppōkku (Tamil: Pachchārruppōkku), evidently so called because it was irrigated by the Pachchārru river. The village was situated to the east of Koṭṭakudi-Marugāl and the Bhinnāśman, to the south of the (boundary) stone of Vēṭṭakaraṅkulam and Modavēṅkulam, to the west of the bridge (*i.e.* anicut) of Dēvanallūr<sup>5</sup> alias Sōmanātha-keṣhētra and to the north and west of the river Śyāma-nadi.<sup>6</sup> The village enjoyed a regular supply of water from the Śyāma-nadi anicut and possessed the ownership of the two dams across the mountain streams between Chōlagiri and Valligiri, as also the numerous canals. The village of Padmanēri may be identified with its namesake 2½ miles east of Nāṅgunēri in the Tinnevely district. Mr. Sewell (*Lists of Antiquities*, Vol. I, p. 315) says that there is here a large temple with inscriptions in Tamil, Telugu, Grantha and Malayalam characters.

The terms of the grant are the same as those used in similar records of this dynasty and embrace every kind of proprietary right, including immunity from all taxes and unhampered powers of enjoyment and alienation in perpetuity.

<sup>1</sup> *Lists of Antiquities*, Vol. II, p. 200.

<sup>2</sup> *Ep. Ind.*, Vol. III, p. 239.

<sup>3</sup> [For the identification of Tiruvaḍi and of Vāṇāda-rāja see the *Annual Report on Epigraphy* for 1906, p. 85, paragraph 60.—H. K. S.]

<sup>4</sup> This name occurs also in the Kūniyūr Plates of Venkata II (vide *Ep. Ind.*, Vol. III, p. 240).

<sup>5</sup> [Dēvanallūr is also shown on the map of the Nāṅgunēri taluk but not exactly to the east of Padmanēri. Perhaps the anicut of Dēvanallūr was in that position.—H. K. S.]

<sup>6</sup> Śyāma-nadi is apparently the Sanskrit rendering of Pachchārru.

the triple lore, something ordinary—he whose pair of lotus-feet is beaten by diadems of stooping sovereigns, he who is renowned, he who is a sun in peerless lustre, a mirror to the lotus-face of the lady Fame who is renowned (*as being bright as*) stars, pearl-strings, Hara's laughter,<sup>1</sup> ether, and frost, he who is an ocean of scriptural lore?

(Verse 23.) Because of the magnificence of (*his*) extraordinary sun-like character<sup>2</sup> owing to the presence of the majesty<sup>3</sup> of conquered foes (*appropriated by him*), because of (*his*) firm mind devoted to the grand and brilliant Jain religion, because of (*his*) peculiar quality of superlative splendour by which he is known as a sun in the sky of the Brāhmaṇ race, because of (*his*) supremacy in peerless might, because of (*his*) peculiar eminence in bounty, and because of (*his*) truthfulness, **Dinakara** (*was*) a mine of exceeding lustre, a heap of godliness.

(Verse 24.) As on the rise of the sun all darkness flees away, so with the rise of **Dinakara** the darkness of error flees away from the park of his race and is dissipated: what a wonder!

(Verse 25.) His sons **Rājimayya** and **Dūdama** are illustrious over the whole earth as being renowned among men, bees to the Jinas' lotus-feet, possessed of culture.

(Verse 26.) All learned folk everlastingly praise lovingly with affection of spirit **Rāja**,<sup>4</sup> who is stainless and bright in brilliance, as being a bee to the Jinas' lotus-feet, gladdener of good men's souls, renowned over the whole earth, radiant with lustrous fame mounting to the tusks of the elephants of the sky-quarters, a tree of desire to cultured and agreeable men, exceeding in bounty to worthy recipients.

(Verse 27.) The world in unison always without cease rightly extols with gladness (?) of spirit (*and*) with affection **Rāja**, who is brilliant as the sun, a moon in golden hue,<sup>5</sup> a tree of desire to clients, calling him a lover of the worship of the Jinas according to the rules of the saint Manu's course, bountiful, peerless in brilliance, pure, full of kindness.

(Line 39.) If one would describe the measure of his beloved younger brother's valour—

(Verse 28.) At the stern command of the sovereign he took captive the Lord of the **Eighty-four**; in his boldness he clasped not his hands (*in submission*); he in his turn took captive in a most marvellous manner that same **Sōbhana** who in wrath had seized, bound, and cast into prison king **Inda**: is this singular degree of **Dūda's** valour an ordinary thing?

(Verse 29.) "By his might of arm he took captive him who had cast his master into confinement, and made him release him": thus this triple world lauds the valiant **Dūdama**, scion of worthy Brāhmaṇs.

(Verse 30.) The excellent lady of **Dūda**, who has thus been described, far surpassed in beauty the Mind-born One's mistress [**Rati**]: despite this praise, men do not withal fully comprehend in any way **Ēchikabbe's** beauty.

(Verse 31.) So there was born to them **Hammikabbe**, comparable to a goddess, having locks of hair like troops of gadding bees, brilliantly distinguished, a wishing-gem to sages, a jewel of women.

(Verse 32.) This illustrious **Hammikabbe's** completely beloved husband, **Arasimayya**, comely as the Mind-born One, was distinguished in the world like **Kūnina** [**Karpa**] here in respect of bounty.

(Verse 33.) The lady **Hammikabbe**, who was adorned with the ornaments of the merits of peerless bounty and virtue, and the most generous lord **Arasayya** had a son, the physician

<sup>1</sup> Cf. *Mēgha-dūta* 58.

<sup>2</sup> There is perhaps a play on *saurya* and *saurya*, "valour." The name *Dinakara* means literally "sun."

<sup>3</sup> Literally, "heat."

<sup>4</sup> *Rāja* means "moon"; hence the following epithet.

<sup>5</sup> *Gōja*, lit. "milk-born," may mean "moon," though I have never found it used in this derivative sense. Were it not for the context, I should be inclined to suggest *pasuṣe gōpanan*, "shepherd to his flock."

The village was divided by king *Krishṇa* into 83 shares and bestowed on a number of Brahmans of different *gōtras* and *sūtras* (v. 81). The following is the list of the donees and their shares :—

## List of Donees.

Line of text. <sup>1</sup>	Donee's name.	Lineage.	Śākhā.	Gōtra.	Sūtra.	Number of shares.
169	Śaṁbhū (Śiva)	.....	...	...	...	1½
"	Mādhava (Viṣṇu)	.....	...	...	...	1½
"	Mahāśaktī ( tutelary deity of the village).	.....	...	...	...	1½
170	Akkala-Bhaṭṭa	Grandson of Akkala-Bhaṭṭa and son of Vodya Peru-Bhaṭṭa.	Bahvricha	Bhāradvāja	...	5
173	Tirumala-Nambikoṇḍārya	Son of Maḍavāḍa Pina-mādhavayarya.	...	Kauṇḍinya	Āpastamba	5
176	Koṇḍā-Jōsya	Son of Timmā-Jōsya	...	Do.	Do.	6
177	Veṅkata-Amātya	Son of Honnaya-Amātya.	Yajus	Bhāradvāja	...	5
178	Veṅkatāya and Sūrōndra.	Sons of Sarvaya	...	Viśvāmītra	Āśvalāyana	2
180	Bhūmā-Bhaṭṭa	Son of Mahamkāli Nāgā-Bhaṭṭa.	Yajus	Kutsa	...	2
181	Narasam-Bhaṭṭa	Son of Tirumalārya	Do.	Viśvāmītra	...	1
182	Abbā-Bhaṭṭa	Son of Śaṁkara-Bhaṭṭa	Do.	Saunaka	...	1
183	Samkara	Son of Vallam-Bhaṭṭa	Bahvricha	Kauśika	...	1
185	Alagi-Sīngari	Son of Śrīrāma	...	Śrīvatsa	Āpastamba	1
186	Tiruvenkatārya	Son of Anantārya	Yajus	Ātrēya	...	1½
187	Tirumalārya	Son of Kṛishṇārya	Do.	Kauṇḍinya	...	1
189	Kṛishṇaya	Son of Perumālārya	Do.	Bhāradvāja	...	1
190	Tiruvāḷi	Son of Abbaya	...	Do.	Bōdhāyana	1
191	Nārāyaṇa	Son of Tiruvenkatāya	...	Do.	Do.	1
192	Lakshmanārya	Son of Perumālārya	...	Do.	Do.	½
194	Porotti-Nainār	Son of Śrīnivāsa	Yajus	Kauṇḍinya	...	½
195	Sūryanārāyaṇa	Son of Bhāskara-Bhaṭṭa	Do.	Bhāradvāja	...	1
196	Abban-Śāstrin	Son of Śāstirāya	Bahvricha	Śrīvatsa	...	1
197	Padmanābha-Paṇḍita	Son of Dēvarāya-Paṇḍita	...	Kāśyapa	Bōdhāyana	1
199	Vēdappa-Paṇḍita	Son of Gaṇḍavāhana	...	Do.	Do.	1
200	Paramasvāmi-Vaidya	Son of Sundararāja	...	Parāśara	Do.	2
201	Gaṅgayādi Kōṇēri-Bhaṭṭa	.....	...	...	...	1

<sup>1</sup> The line-number refers to the beginning of the verse giving the details.

**Kannapa**, who was refined, a mine of excellence, skilled in the healing art, pre-eminent among good men : in view of this, as he was godly in his works, who has such righteousness accounted to him as **Kanna** ?

(Verse 34.) Their sons are **Indapa**, a bee to the Jinās' lotus-feet, **Īśvara**, an ocean of noble virtue, **Raji**, brilliant in refinement, the worthy **Kalidēva**, **Ādinatha**, an accumulator of incalculable merit, the exceedingly pure **Śanti**, (and) the distinguished **Pārśva** : hence who has such righteousness accounted to him as **Kanna** ?

## No. 10.—TWO KADAMBA INSCRIPTIONS OF NIRALGI.

By LIONEL D. BARNETT.

The village of **Niralgi**, whence these records come, lies in the **Hāngal tāluka** of **Dhārwar** District, in lat. 14° 52' and long. 75° 18', about 11½ miles to the north-east of **Hāngal** town. As our inscriptions shew, it was formerly called **Nirili**. The ink-impressions on which the texts of the following inscriptions are based were prepared for the late Dr. Fleet, and are now in the British Museum.

### A.—OF THE REIGN OF SOMESVARA I: SAKA 974.

As to the exact site where this record was found and the character of the stone I have no information. The inscribed area is about 2 ft. high and 2 ft. 5½ in. broad.—The character is fairly good Kanarese of the period, with letters  $\frac{1}{4}$ – $\frac{3}{4}$  in. high. The palatal and the guttural nasals both occur : *°kāñchanam* (l. 9), *=mmaṅgaḷa* (l. 15).—The language, except in the formal Sanskrit verses and final formulæ and the phrase *Sarasvatyāya namaḥ* (an error for *Sarasvatyai namaḥ*) in l. 22, is Old Kanarese prose. The *ḷ* is preserved in *=ggaḷḍeyumam* (l. 14) and *pēḷḍa* (l. 18) ; it is changed to *ḷ* in *baḷiyan* (l. 13), and *aḷi°* (ll. 17, 19). On the phrase *baḷiyan-aḷḷi* see Dr. Fleet's remarks above, Vol. XI, p. 3.

The record begins by referring itself to the reign of **Trailōkyamalla-Āhavamalla**, i.e. **Sōmēśvara I** (ll. 1-3), and then informs us that on a certain date the **Kādamba Mahā-Maṇḍalēśvara Harikēśarin** formally made over by deputy certain estates to the Three-Hundred **Mahā-janas** of **Nirili** for the maintenance of the **Piriya Kere** or Great Tank and the cult of the god **Kali** (ll. 3-15). The document was drafted by the town-clerk **Jōgivaṃya**, and engraved by **Chittōja** (ll. 21-22). **Harikēśarin** is the prince, also named **Arikēśarin** and **Hariga**, who figures in the **Baṅkāpūr** inscription of Śaka 977 published by me above, Vol. XIII, p. 168,<sup>1</sup> with titles almost the same as those given in the present record. I there stated (p. 169) that the year Śaka 977 marked the earliest known connection of the **Kādambas** with the **Banavāsi** province ; we are now able to trace it back to a date three years earlier.

The date is given in ll. 11-12 as : Śaka 974 (expired), the cyclic year **Nandana** ; **Pushya** **suddha 13** ; **Sunday** ; the *uttarāyaṇa-samkrānti* ; a *vyatipāta*. This is irregular. In **Nandana** there was an intercalated **Pushya**. If we take the given *tithi* as belonging to the latter, it corresponded to **Tuesday, 5 January, A.D. 1053**, ending at 12 h. 19 m. after mean sunrise. Mr. R. Sowell, who has kindly checked my calculations in this paper, points out that the *tithi* **suddha 13** in **Nija-Pushya** of the same year was expunged : at mean sunrise on **Wednesday, 3 February, A.D. 1053**, the current *tithi* was **suddha 12**, and at the same moment on the following **Thursday** the current *tithi* was **suddha 14**. Furthermore, the *uttarāyaṇa-samkrānti* took place on **Wednesday, 24 December, A.D. 1052**, at 19 h. 23 m. after mean sunrise.

<sup>1</sup> In my translation of that document I have fallen into some errors, which I have tacitly corrected in my rendering of the present inscription.

## List of Donees—contd.

Line of text.	Donee's name.	Lineage.	Śākhā.	Gōtra.	Sūtra.	Number of sharas.
202	Bhāskara . . .	Son of Kāvēri-samudram Sōmaya.	Bahvricha	Gautama .	...	2½
203	Mudda-Bhaṭṭa . . .	Son of Nāgappa . . .	Do. .	Do. .	...	1½
204	Yallam-Bhaṭṭa . . .	Son of Timmā-Bhaṭṭa . . .	...	Do. .	Āśvalāyana	½
206	Obā-Bhaṭṭa . . .	Son of Chikkamha-Bhaṭṭa	Bahvricha	Do. .	...	½
207	Sūri-Bhaṭṭa . . .	Son of Basava-Adhvarin .	...	Vāsishta .	Drāhyāyana	½
208	Gaṅgādhara . . .	Son of Gōvinda . . .	...	Agastya .	Āśvalāyana	½
210	Nārāyana . . .	Son of Huggi Yallam-Bhaṭṭa.	...	Harita . .	Do.	1½
211	Śēshādri-Bhaṭṭa . . .	Son of Koṇḍu-Bhaṭṭa . . .	...	Kāśyapa .	Do.	½
213	Vaidyanātha . . .	Son of Lakshminātha . . .	...	Do. .	Bōdhāyana	1
214	Sūri-Bhaṭṭa . . .	Son of Nāgā-Bhaṭṭa . . .	Bahvricha	Mauna - Bhārgava.	...	½
215	Tirumala-Bhaṭṭa . . .	Son of Viraya . . .	...	Gautama .	Āśvalāyana	½
217	Mādhava-Bhaṭṭa . . .	Son of Mālu-Bhaṭṭa . . .	Bahvricha	Vishṇuvar-dhana.	...	1½
218	Viram-Bhaṭṭa . . .	Son of Gaṅgādhara . . .	Do. .	Kāśyapa .	...	½
219	Krishṇam-Bhaṭṭa . . .	Son of Koṇḍu-Bhaṭṭa . . .	Yajus .	Do. .	...	½
220	Pāpā-Bhaṭṭa . . .	Son of Durgā-Bhaṭṭa . . .	Bahvricha	Ātrēya .	...	½
222	Veṅkaṭādri-Bhaṭṭa . . .	Son of Yallam-Bhaṭṭa . . .	Do. .	Gautama .	...	½
224	Basavā-Bhaṭṭa . . .	Son of Buchchella . . .	Do. .	Kāmakāyana-Viśvāmitra.	...	½
225	Nāgā-Bhaṭṭa . . .	Son of Pākam-Krishṇaya . . .	Do. .	Bhāradvāja .	...	½
226	Krishṇam-Bhaṭṭa . . .	Son of Sūri-Bhaṭṭa . . .	Do. .	Vishṇuvar-dhana.	...	1½
228	Veṅkaṭa-Bhaṭṭa . . .	Son of Svarṇaghanti-Appayārya.	Do. .	Bhāradvāja .	...	1½
229	Śamkara-Bhaṭṭa . . .	Son of Tirumala-Yajvan . . .	Do. .	Kāśyapa .	...	½
230	Sūryanārāyana . . .	Son of Mallu-Bhaṭṭa . . .	Do. .	Haritasa .	...	½
231	Sūryanārāyana . . .	Son of Lakkā-Bhaṭṭa . . .	Do. .	Hārītasa .	...	½
233	Appaya . . .	Son of Tiruveṅkaṭa . . .	...	...	...	1
"	Anantaya . . .	Son of Yajñēśvara . . .	Yajus .	Kauśika .	...	½
235	Vaidyēśa-Bhaṭṭa . . .	Son of Maṅgēśa . . .	Sāman .	Kāśyapa .	...	1½
236	Chinna-Nāgaya . . .	Son of Koṇḍu-[Bhaṭṭa*] . . .	Bahvricha	Hārītasa .	...	½
237	Raṅgaya . . .	[Son of] Veṅga-Ādhvarin . . .	Yajus .	Kāśyapa .	...	½





i a.

2  
4  
6

i b.

8  
10  
12  
14

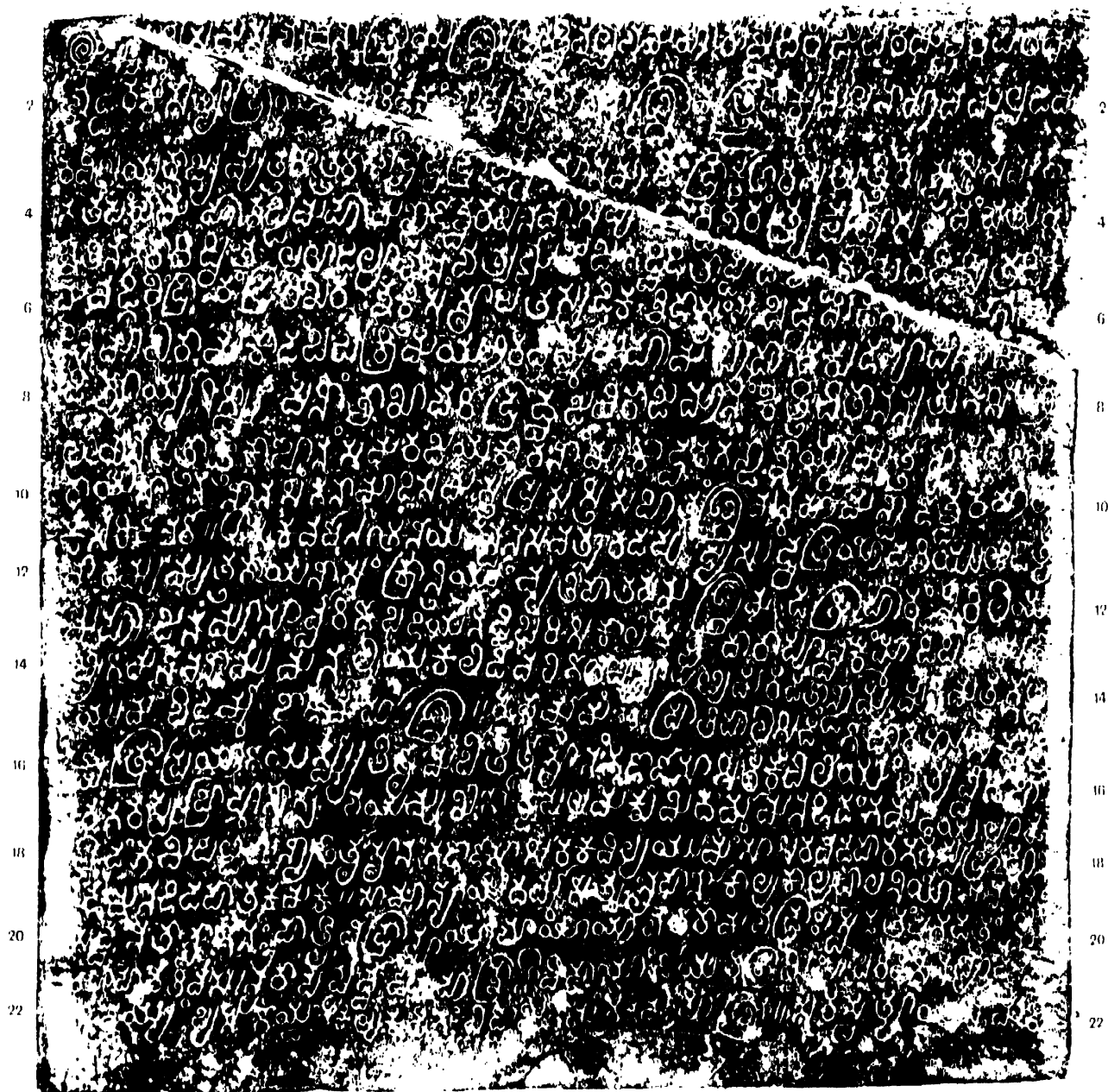
ii a.

16  
18  
20  
22

ii b.

24  
26  
28  
30

Niralgi Inscription of the reign of Somesvara I: Saka 974.






The only places mentioned are : Banavāsi (l. 4), the Agrahāra of Nirili, i.e. Niralgi (l. 12), the Piriya Kere or Great Tank (ll. 13-14), and the *tīrthas* (ll. 15-16).

TEXT.<sup>1</sup>

[Metres : v. 1, *Śālinī* ; v. 2, *Anuṣṭubh*.]

- 1  Svasti samasta-bhuvan-āśraya Śrī-Pri(pri)thvi-vallabha mahārāj-ādhirāja  
paramōśvara parama-  
2 bhaṭṭarakam Satyāśraya-kuṣa-tilakam Chāḷuky-ābharaṇam śrīmat-Trailōkyamallan-  
Āhavamalla-dēva-  
3 ra vijaya-rājyam=uttarōttar-ābhivṛiddhi-pravarddhamānam=a-chaṇḍr-ārka-tāram salutt-  
ire || Svasti samadhi-  
4 gata-paṇcha-mahā-śabda-mahāmaṇḍa|śvaram Banavāsi-puravar-śvaram Tryaksha-  
kshma-sambhavam chaturā(ra)-  
5 śīti-nagar-ādhishṭhita Lalāṭalōchana-Chaturbhūja-jagad-vidit-āṣṭādaś-āśvamēdha-  
dikshita Hi-  
6 mavad-girīndra-rūndra-śikhara-śakti-samsthāpita sphatika-śīlā-stambha-baddha-mada-  
gaja mahā-ma-  
7 him-ābhirāma Kādamba-chakri-Mayūravarmma-mahā-mahipā|a-kuṣa-bhūṣhaṇam  
permma-  
8 ṭṭi-tūrya-nirghōṣhaṇam śakha-charēndra-dhvaja-virājamānam kīrtti-vitānan-  
uttuṅga-simha-  
9 lāṃchōchhanam datt-ārtti(rtthi)-kāñchanam samara-jaya-kāraṇam mār-kko|vara  
gaṇḍa śaurya-mārttaṇḍan=adaṭa-Nā-  
10 rāyaṇa=aṇṇana siṅga nām-ādi-samasta-prasa(śa)sti-sahitam śrīman-mahāmaṇḍa|ś-  
svaram Hari-  
11 kēsari-dēvar || Śa(śa)ka-varsha 974neya Nandana-samvatsarada Pushya-  
su(śu)ddha trayōdaśiyum Āditya-  
12 vāramum=uttarāyaṇa-samkrāntiyum vyatipātadandu śrīmad-agrahāram Niriliya  
13 mahājanam mūnūrvvarige baliyan-aṭṭi barisi kālam karchchi dhārā-pūrvvakam=ma-  
mādi Piriya Ke-  
14 roge mano-vaṇamuman=aliya Kali-dēvarige aruṇḍu marada tōṭṭamuman  
mattar=ggalde-  
15 yuman biṭṭar=mmaṅga mahā-śrī || Ī dharmmamam pratipālisidaṅgo Vāraṇāsi  
Kuru-  
16 kshōtra Prayāgey=Argghyatīrttham=emb-i tīrttha-sthānamga|o| sāsira kaviloṇam  
chatur-vvōda-pā-  
17 ragar=appa<sup>2</sup> brāhmaṇargg=ubhayamukhi goṭṭa pa(pha)lam=akkum=Ī dharmmamam=alidaṅgam=aliya|oḍa-  
18 rechhidamgam=ī pōḍa puṇya-tīrttha-sthānamga|o| sāsira kaviloṇumam sāsira  
vōda-pāragar=appa brāhmaṇa-  
19 la(ru)man=alida pātakam=akku || Sāmānyō=yam dharmma-sētum(r)=nripāṇā[īn\*]  
kāḷe kāḷe pāṇiyo bhavadbhiḥ [ī\*]  
20 sarvān=ētān-bhāginah pārtthivēndrān-bhūyo bhūyo yāchatō Rāmabhadrah | (||)  
[1\*] Sva-datt[ā\*]m para-datt[ā\*]m vā

<sup>1</sup> From the ink-impression.

<sup>2</sup> The engraver has made after this word a *ra*, squeezed in between *ppa* and *brā*.

v a.

64 கனகசபை... 64  
66 66  
68 68  
70 70  
72 72

v b.

74 74  
76 76  
78 78  
80 80

vi a.

82 82  
84 84  
86 86  
88 88

vi b.

90 90  
92 92  
94 94

- 21 yō harēti(ta) vasundharā[m\*] [\*] shashṭhi(shṭi)r-vvaraha-sahaśrā(srā)ṇi  
 viṣṭā(ṣṭhā)yām jāyatō kri(kri)miḥ || [2\*] Baredam - sēnabōva Jō-  
 22 givayyam besa-geydam kalukūṭigam Chittōjam | maṅgala mahā-śrī ||  
 Sarasvatyāya namaḥ

## TRANSLATION.

(Lines 1-3.) While the victorious reign of—hail!—the asylum of the whole world, favourite of Fortune and Earth, great Emperor, supreme Lord, supreme Master, ornament of Satyaśraya's race, embellishment of the Chāḷukyas, king Trailōkyamalla-Āhavamalla, was advancing in a course of successively increasing prosperity, (to endure) as long as moon, sun, and stars :—

(Lines 3-11.) Hail ! The Mahā-Maṇḍalēśvara who has obtained the five great musical sounds, who bears all titles of honour such as "lord of Banavāsi best of cities, ornament of the race of the Kādamba emperor the great king Mayūravarma, which is sprung from the Three-eyed [Śiva] and Earth, presides over eighty-four cities, is consecrated in eighteen world-famous horse-sacrifices to (the god of) the Frontal Eye [Śiva] and the Four-armed [Viṣṇu], has established its might upon the massive summits of the great Mount Himavat, binds its fiery elephants to columns of crystal, and is charming with great majesty,—he who is (attended) with the noise of *permatṭi* drums and (other) musical instruments, who is resplendent with a banner (bearing the device) of a great ape, is canopied in glory, and has for crest a stately lion ; giver of gold to the needy, cause of victory in the fray, man of might to adversaries, sun of valour, a Nārāyaṇa of the gallant, a lion for his older brother"—the Mahā-Maṇḍalēśvara Harikēśari-dēva,—

(Lines 11-12.) On Sunday, the thirteenth of the bright fortnight of Pushya in the cyclic year Nandana, the 974th (year) of the Śaka era, at the *uttarāyana-saṁkrānti*, in a *vyatipāta*,<sup>1</sup>—

(Lines 12-15.) Having sent a summoner to the Three-hundred Mahājanas of the Agra-hāra of Nirili, convened them, and laved their feet, made over with pouring of water the house-tax to the Great Tank, and a garden of six-hundred trees and a field of one *mattar* to the god Kali of that place. Happiness ! great fortune !

(Lines 15-19 : a prose commonitory formula of the usual type.)

(Verses 1-2 : two common Sanskrit verses.)

(Lines 21-22.) The town-clerk Jōgivayya wrote (this record). The stone-mason Chittōja executed the order. Happiness ! great fortune ! homage to Sarasvatī !

## B.—OF THE REIGN OF SOMESVARA II : SAKA 996-7.

In the case of this epigraph also I have been unable to trace the site whence it comes, or to find any details as to the stone. The inscribed area, which is much worn by weather, comprises an upper compartment, on which are lines 1-2, and a lower one containing all the rest ; it is nearly 4 ft. high and 2 ft. 7½ in. wide.—The character is Kanarese, rather straggling and clumsy, and resembling the Peggār inscription of A.D. 978 (no. 4 of "Coorg Inscriptions," revised edition). The cursive forms of *m*, *y*, and *v* (above, Vol. XII, p. 335) are all found here :—*m* in °baḷamaṁ and (?) *brīḍyatvamaṁ*, l. 22, *maṇḍalika*°, l. 24, *śrīman*°, l. 33, *dharmma*°, ll. 37, 39, *kavileyumaṁ*, ll. 39-40, °*pātukam*, l. 40, *Rāma*°, l. 41 ; *y* in °*saṁkrāntiyamḍum*, ll. 31-32, *Umchagēriya*, l. 32 ; and *v* in *nerevare*, l. 23. The ñ is written in *pañcha*°, ll. 30, 38, 40. The height of the letters varies from ⅔ in. to ⅞ in.—The language is Old Kanarese, except

<sup>1</sup> A *yōga* in which the declinations of sun and moon are equal.





in the Sanskrit verses on ll. 40-42 and the barbarous concluding formula. The archaic *l* occurs once, in *pēḍa*, l. 39; it is replaced by *l* in *baḷi*<sup>2</sup>, ll. 10, 33, *baḷiya*, l. 36, *aḷi*<sup>2</sup>, ll. 39-40, and by *r* in *māl-ārkeyya*, l. 13 (a blunder for *°ālkeya*) and *ērppattara*, l. 32. In regard to lexicography, we may notice *baḷiyan-aḷi*, l. 10, and *baḷiy-aḷi*, l. 33 (see above, inser. A.), *mānp*, l. 22, (?) *tott*, l. 22, (?) *brīḍyatva*, l. 22, *poḷisim*, l. 23 (perhaps connected with *poḷe*, "to shine" or "to be swung about": should we then read here *poḷepim* ?), and *avaṅgumṭe*, l. 28 (in Kittel's Dictionary *avaṅgōṭa*).

The record is twofold, comprising two endowments, and probably was engraved at the time when the second was granted. The first (ll. 1-13) opens by referring itself to the reign of a Chālukya king whose name is here lost; but that it was **Bhuvanaikamalla (Sōmēśvara II)** is proved by the reference to him and the date in l. 8. It then mentions (ll. 3-5) the Mahā-Maṇḍalēśvara **Vikramāditya-dēva** (possibly the king's younger brother, afterwards **Vikramāditya VI**), and likewise (ll. 5-7) a noble of the Pallava lineage named **Bhuvanaikamalla-Pallava-Permāṇaḍi Vi[shṇuvardhana-Vijayaditya]**,<sup>1</sup> and bearing among his other titles that of "lord of **Kāñchi** best of cities"; and it states that, when **Vikramāditya** and **Viṣṇuvardhana-Vijayaditya** were at **Baṅkāpura** in the course of a tour of state in the service of king **Bhuvanaikamalla**, in Śaka 996, they granted the village of **Basalūr**, in the Elambi Twenty, to the 300 Mahājanas of **Nirili** for the maintenance of the cult of **Rāmēśvara** (a well-known form of Śiva) at **Pombaḷli** (ll. 7-13).

Then comes the second record (ll. 13-43). It begins by introducing, in prose, with the usual titles of his lineage and some others, the **Kāḍamba Mahā-Maṇḍalēśvara Śāntivarman**, "lord of **Banavāsi** best of cities" (ll. 13-21), and extols his valour and glory in four verses (ll. 21-30). After this comes the formal statement that in Śaka 997, when at **Uñchagēri**, he, in concert with two other high officers of state, renewed the grant of the first record (ll. 30-42).<sup>2</sup> **Bichchara Gaṅgayya** made the fair copy, and **Sūdōja** engraved it (ll. 42-43).

There are two dates. The first is given on ll. 8-9 as: Śaka 996, Ānanda; the full-moon of Āśvayuja; an eclipse of the moon. This seems to be regular. The *tithi* mentioned was current at sunrise on Tuesday, 7 October, A.D. 1074, and ended about 20 h. 3 m. after mean sunrise (for Ujjain). On that day there was a lunar eclipse, in which total obscuration began 19 h. 30 m. after mean sunrise, while the above *tithi* was still current.

The second date is given on ll. 31-32 as: Śaka 997, Rākshasa; Pushya śuddha 1; Sunday; the *uttarāyana-saṁkrānti*. This is quite wrong. Pushya śuddha 1 of given year corresponded to Friday, 11 December, A.D. 1075, on which it ended about 11 h. 15 m. after mean sunrise. The *uttarāyana-saṁkrānti*, on the other hand, occurred on Thursday, 24 December, about 18 h. after mean sunrise, so that Friday was reckoned as the first day of Makara.

The places mentioned are: **Kāñchi** (ll. 6, 7); the *nele-viḍu* of **Baṅkāpura** (l. 8); **Pombaḷli** (ll. 10, 35); the **Pānuṅgal Five-hundred** (l. 12); the **Elambi Twenty** (ll. 12, 36); **Basalūr** (ib.); **Banavāsi** (ll. 18, 30); the *nele-viḍu* of **Uñchagēri** (l. 32); and the *tirthas* (l. 37), besides a rather obscure phrase *nāḍ-ērppattara* (l. 32), which is perhaps a mistake for *nāḍ-irppattara*, "the Twenty of the county," viz. Elambi. **Pombaḷli** is the modern **Hombli**, lying 3½ miles nearly south of **Niralgi**, in lat. 14° 49½' and long. 75° 17½'. One is tempted to identify **Uñchagēri** with the modern **Wunchigēri**, near **Kumtā**; but the distance from **Niralgi** is considerable. **Kāñchi** (**Conjeevaram**), **Baṅkāpura** (**Baṅkāpūr**), and **Pānuṅgal** (**Hāṅgal**) are well known. **Elambi** and **Basalūr** do not seem to be traceable.

<sup>1</sup> See *Dyn. Kanar. Distr.*, p. 444 and n. 1.

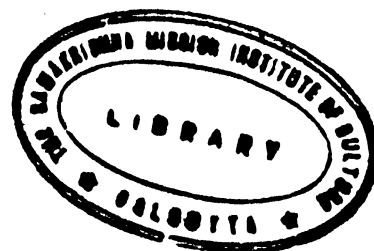
<sup>2</sup> See *Dyn. Kanar. Distr.*, p. 561.

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TEXT.<sup>1</sup>

[Metres: vv. 1, 3, 4, *Mahāsrāgadhara*; v. 2, *Champakamālā*; v. 5, *Śalini*; v. 6, *Anushubh.*]

- 1 Śrī Svasti samasta-bhuvan-āśraya \* Śrī-Pri(pri)[thvi-vallabha mahārāj-ādhirāja paramēśvara parama-bhaṭṭārakam]
- 2 Satyāśraya-[kula-tiṭṭakam Chāluky-ābharanam śrīmad-Bhuvanaikamalla-dēvara rājyam=uttarottar-ābhividdhi-pravarddhamānam-ā-chamdr-ārka-tāram]
- 3 baram saluttam-ire || Tatu-pāda-padum-ōpajivi || Svasti samadhigata-paṁchamahā-śa-
- 4 bda-mahāmaṇḍalēśvaram Gauri-Gaṇḍy(ś)-āvatāram Pārvvati-priyam \* \* \*  
\* \* kāvanam nām-ā-
- 5 dhi(di)-samasta-prasa(śa)sti-sahitam śrīman-mahāmaṇḍalēśvaram Vikra[māditya-dēva]r || Svasti samasta-
- 6 bhuvan-ōrlla(la)sita-vīra-Pallav-ānvayam Śrī-Pri(pri)thvi-vallabham Palla[va \* \*  
\* \* \*]n-amōgha-vākyam Kām-
- 7 chi-puravar-ēśvaram śrīmad-Bhuvanaikamalla-Pallava-Permmānadi(di)  
Vi[śhṇuvardhana(?)]-Vi[jayadityanum-irddu śrī-
- 8 matu-Bhuvanaikamalla-dēvarggo Baṁkāpurada nele-viḍinoḷ bi[jayam-geydu(?)]  
Sakha-varisā<sup>2</sup> 996noya
- 9 Ānamnda-samvatsarada Āśvayujada puṇṇive sōma-grahapadam[du śrīmad]-  
agrahāram Niriliya mahā-
- 10 janam mūnūrvvarumam baliyan-aṭṭi barisi kalam karchchi dhārā-pūrvvakam  
mādi Pomballiya tirtthada
- 11 śrī-Rāmēśvara-dēvara snāna-nivēdyakkam gandha-dhūpakkam namndā-divigegam  
maṭhamnta<sup>3</sup>-Si(Śi)va-paṇḍitarggam bhrā(brā)hma-
- 12 parggam chehhatrakkam Pānumgall-aynūṛada kampanam Elambiy-irppattara  
baliya bādam Basalū-
- 13 ra[m] mōl-ārke(ḷke)ya sarvv-ābhyamntara-sidhdhiyam biṭṭu koṭṭar || e ||  
Svasti samasta-kula-mahidha-
- 14 ra-chakravartti-[mahā\*]-mahima-Himavad-girīndra-ruṁdra-śikhara - samsthāpita - mahā-  
śakti-prabhāvam Ka-
- 15 ḍa(da)m̄ba-koḷ-āmbara-prachamṇḍa-mārttaṇḍan-anēka - samara - samaya - samudita - nija-  
bhūja-vijay-ōpā-
- 16 rjita-vīra-lakshmi-nivāsa-mamḍita-prachamṇḍa-dōr-ddamṇḍa[m] baḷavad-ari-kula-Kāḷ-  
ānalam pratāpa-pra-
- 17 kōp-ōpēta[m\*] Lalāṭalōchanam(na)-jagad-vidit-āshṭādas-āśva(śva)mōdha-dikshā-dikshita-  
kula-prasūtam chaturā(ra)śīti-nagar-ādhi-
- 18 shṭi(shṭhi)ta viśiṣṭa-Banavāsi-puravar-ādhiśvaram Kaḍa(da)m̄ba-kamṭhiravam  
Kāḍa(da)m̄ba-chakri-Mayūravarmma-mahā-mahipā-
- 19 la-kula-bhūṣanam permaṭṭi-tūryya-nirggōṣa(śha)nam śākhācharēmndra-dhvaḷa-  
virājamāna[m] mūn-ōttumga-simha-lēmcha(chha)nam datt-ā-
- 20 rtti(rṭthi)-kāṁchanam mār kkoḷvara gaṇḍam samara-mārttamṇḍam rapa-vijaya-  
kāraṇam-aṇṇana gaṁdha-vāraṇam nām-ādi-samasta-prasasti-
- 21 sahitam śrīman-mahāmaṇḍalēśvaram Sā(śā)ntivarmma-dēvar || Baḷavadu-vidiṣṭa-  
bhūpālakar-aḍig-eṇagi śarapum-b[ō]g[e]<sup>4</sup> du-

<sup>1</sup> From the ink-impression.

<sup>2</sup> Read *Śaka-varsha*.

<sup>3</sup> Read *maṭhasṭha*. [*maṭh-ānta* will do equally well.—H. K. S.]

<sup>4</sup> Either *aḍige* or *eṇagi* may be read, but not both; and we should correct *śarapum* to *śarap*.

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- 22 rvvāra-bāhā-baḷamaṁ mānp<sup>1</sup>=eindh(du)dam tott=a[u\*]ki ba[u\*]ki brīdyatvamam  
pūṇdar=omdamid=eelē mīraḷu kaḍaṁgal=toḍaral=eḍaral=ottaysal=ukka-  
23 l=paḷamchal poḷisim<sup>2</sup> māḡ-āntu kādal neḡevare dhuradoḷ dēva **Kādamba-Rudrā** ||  
[1\*] Baḷavad-arāti-maṁḍalika-gaṁḍa-lay-āntaka Śāh-  
24 nta-bhūpa maṁḍalika-lalāma maṁḍalika-Bhairava maṁḍalika-Triṇētra maṁḍalika-  
gharaṭṭa maṁḍalika-maḷi-vighaṭṭita-pā-  
25 da-piṭha maṁḍalika-lalāta-paṭṭa ninag=ār=ddore maṁḍalikar dharitriyoḷu || [2\*]  
Baḷavat-kōp<sup>3</sup>=agniyiind=ānint=ahitaran-eelē  
26 kolvudamid=irkke bāhā-baḷadiind=ammamma dik-pālaran=a[u\*]kisal=aṁdrīdhramam<sup>4</sup>  
chāḷisal bhūtaḷam=aṁtum karpisalu di(di)g-ga-  
27 jaman=aḷaḷisal vārddhiyūṁ. śōshisalk=ē<sup>5</sup> chāḷamō pēl sālanō tat-kṣhaṇadoḷo  
muḷidamid=ōho **Kādamba-Rudram** || [3\*] Kaḍupim-  
28 dam dēva nimm=ōr biḍad=ōḍa(du)ḡuv=avanigunṭe śūḷam kapūḷam kōḍo  
khaṭvāṁgam pinākam poḷeva nosala kaṇ hasti-charmmam śir-ō-  
29 dyadriḍ<sup>6</sup> vāṁdr-ābhūṭa-bhūṭ-āvaḷi kaḡo-koral=arldh-āṁḡadoḷu Gauri pēmpam  
paḍed=arldh-ōmndu-prabhā-bhāsura-vikāta-jarā(tā)-jūḷa-kōṭi-  
30 viṭamkam || [4\*] Svasti samadhigata-paṁṇcha-mahā-śabda-mahāmaṁḍalēśvaram  
**Banavāsi-puravar-ādhiśvaram** śrīman-mahāmaṁḍalēśva-  
31 ram Śāmtivarmma-dēvar Śakha(ka)-varsha 997neya Rākshaśa(sa)-  
samvatsarada Puśya(shya)-su(su)ddha pūḍiva Ādi-vāramum-m=uttarāyana-saṁkrā-  
32 ntiyamdu-m=ū(ā)gal nāḍ-ē[r\*]ppattara<sup>7</sup> baḷiya Uṁchagēriya neḷo-viḍinal=irddamdu  
śrīmad-agrahāram Nīriliya mahājanam mū-  
33 nūrbbarumam baḷiy-aṭṭi burisi śrīman-mahāmaṁḍalēśvaram Sā(śa)mtivarmma-  
dēvarum mahā-pradhānam piriya perḡḡaḍe damḡḡanāya-  
34 kav=I(i)śvaram[m]jayyanum mahā-pradhānam perḡḡaḍe Śōbhanayyanum=irddu<sup>8</sup>  
kāḷum karchēhī dhārā-pūrvvakam māḍi śrīmat-  
35 Pombalīya tīrtthada śrī-Rāmēśvara-dēvaru aṁga-bhōgakkam dēvaram pūjisuva  
brahmachārīgalaḡam paṁṇirvvarum  
36 brāhmaṇargga[m] chhatrakkam Elāmbiy=irppattara baḷiya bāḍam Basalūram  
pravishṭam=āgi sarvv-ābhyaṁntata(ra)-siddhiyim biṭṭu ko-  
37 ṭṭaru || Ī dharmmamam pratipālisidamge Vāraṇāsi Kurukshētra Prayāgo  
Arghyatīrttham=eṁb=i tīrttha-sthānamgokoḷ<sup>9</sup> sā-  
38 sira kavileya kōḍum koḷagumam paṁṇcha-ratnāṁgaḷoḷu kaṭṭisi  
sāsirvvar=vvēda-pāragar=appa bhra(brā)hmaṇargg=ubhayamu-  
39 khi-goṭṭa phalam=akkum || I(i) dharmmamam=aḷidaṁgam-aḷiyal-oḍarchhidamgam=i  
pēḷda puṇnya-tīrttha-sthānamg[a\*]oḷu sāsira kavi-  
40 leyumam sāsirvvar=vvēda-pāragar=appa brāhmaṇarumam=aḷida paṁṇcha-mahā-  
pātakam=akku[m] || Sāmānyō=yam dharmma-sētam(tur)-nīi(nī)-  
41 pāṇam kāḷē kāḷē pāṇānyō bhavadbhīḷ [1\*] sarvvān=ōṭān=bhāginah pārtthivōmndrān  
bhūyō bhūyō yāchatō Rāmabhadraḷ [1\* 5\*]  
42 Sva-datt[ā\*]m para-datt[ā\*]m vā yō hareti(ta) vāsumndharām [1\*] shasṭir=vvvarsha-  
sahasrā(srā)ṇi viptā(śhā)yām jāyatō kri(kṛi)mīḷ || [6\*] Baredam Biechhara  
43 Gaṁgayyam ; besa-geyam kalukūṭiga Sūdōjam [11\*] Maṁgaḷa mahā-śrī ||  
Sarasvatyāya namaḷ

<sup>1</sup> The *p* is not certain: it may be *v*.<sup>2</sup> Written separately, as *baḷavat kōp*.<sup>3</sup> Written separately, as *śōshisalk=ē*.<sup>4</sup> See above.<sup>5</sup> Read *-sthānamgalo*.<sup>6</sup> Perhaps a mistake for *poḷepim*; see above.<sup>7</sup> Read *adrīndramam*.<sup>8</sup> Apparently to be corrected to *-ōdyaj-jade*.<sup>9</sup> Or possibly *irldu* i.e. *iḷdu*.

List of Donees—*concl'd.*

Line of text.	Donee's name.	Lineage.	Śākhā.	Gōtra.	Sūtra.	Number of shares.
238	Krishṇa . . .	Son of Rathasundara .	Yajus .	Kāśyapa .	...	1
239	Bisham-Bhaṭṭa . .	Son of Veṅkaṭa . .	...	Do. .	Kātyāyana	1
"	Veṅkaṭa . . .	[Son of] Karuṇākara .	Śukla-Yajus.	Bhāradvāja .	...	1
240	Lallu-Bhaṭṭa . . .	Son of Nāgaṇ-Bhaṭṭa .	Bahvricha	Vāsishṭha .	...	10
241	Chennu-Bhaṭṭa . .	Son of Nāgaṇ-Bhaṭṭa .	Do. .	Ātrēya .	...	10
242	Nrisimha . . .	Son of Raṅgaya . .	Yajus .	Bhāradvāja .	...	10
"	Chikkārya . . .	[Son of] Ōbaya . .	Rik .	Mauna - Bhārgava.	...	10
244	Krishṇa-Bhaṭṭa . .	Son of Veṅkaṭādri .	Bahvricha	Vāsishṭha .	...	10
"	Krishṇa . . .	Son of Rāmakrishṇa .	Rik .	Jāmadagnya-Vatsa.	...	10
245	Bhānaya . . .	Son of Nāgā-Bhaṭṭa .	Do. .	Kāśyapa .	...	10
"	Achchaya . . .	Son of Koṇḍu-Bhaṭṭa .	Bahvricha	Do. .	...	10
246	Timmaya . . .	[Son of] Rāmaya . .	Rik .	Jāmadagnya-Vatsa.	...	10
247	Bhairava . . .	Son of Tippā-Bhaṭṭa .	Yajus .	Śrīvatsa .	...	10
"	Gaṇapati . . .	Son of Nāgaya . .	Bahvricha	Kauśika .	...	10
248	Raghunātha . . .	Son of Liṅga . .	...	Śrīvatsa .	Kātyāyana	10
249	Pēraya . . .	[Son of] Mallaya . .	Yajus .	Gautama .	...	10
250	Varadārya . . .	Son of Anantayārya .	Bahvricha	Bhāradvāja .	...	11
252	Bharata-Bhaṭṭa . .	Son of Dēvadēvēśa-Bhaṭṭa	Yajus .	Kauśika .	...	1
253	Mannān . . .	Son of Krishṇaya . .	Bahvricha	Haritasa .	...	1
254	Alagapperumāl . .	Son of Śrīraṅga . .	Yajus .	Śrīvatsa .	...	1
255	Viśvanātha . . .	Son of Yajñēśvara . .	Do. .	Kāśyapa .	...	1
256	Peḍḍaya . . .	[Son of] Mallaya . .	Rik .	Vāsishṭha .	...	10
"	Pushpagiri . . .	Son of Dugga . .	Do. .	Bhāradvāja .	...	10

Some of these donees, it may be noted, seem to have come from distant provinces. Thus, Akkaḷa-Bhaṭṭa is stated to be the son of Peru-Bhaṭṭa of Voḍya or Orissa (v. 86); Tirumala-Nambikōṇḍa, the son of Pina-Mādhava of Maḍavāḍa or Marwar (v. 88); Bhūmā-Bhaṭṭa, the son of Nāgā-Bhaṭṭa of Mahāmkālī, or Mahākālī or Ujjain (P) (v. 92); and Nārāyaṇa, the son of Yallam-Bhaṭṭa of Huggi or Hotgi (v. 115). It is also worthy of note that the donees belong to various Brahmanical sects and to different *śākhās*, *gōtras* and *sūtras*, from which it is apparent that the

## TRANSLATION.

(Lines 1-3.) Fortune! While the reign of—hail!—the asylum of the whole world, [favourite] of Fortune and Earth, [great Emperor, supreme Lord, supreme Master, ornament] of Satyāśraya's [race, embellishment of the Chālukyas, king Bhuvanaikamalla,] was advancing [in a course of successively increasing prosperity, (*to endure*) as long as moon, sun, and stars] :—

(Lines 3-5.) When he who finds sustenance at his lotus-feet,—hail!—the Mahā-Maṇḍalēśvara who has obtained the five great musical sounds, having all titles of honour such as “incarnation of Gauri and Gaṇēśa (?), beloved of Pārvatī, protection . . .” the Mahā-maṇḍalēśvara Vikramāditya-dēva,—

(Lines 5-8.) Likewise—hail!—the scion of the heroic Pallava race illustrious over the whole world, favourite of Fortune and Earth, . . . of the Pallavas, unfailing in speech, lord of Kāñchī best of cities, Bhuvanaikamalla-Pallava-Permāṇḍi Viṣṇuvardhana (?)-Vijayāditya, in concert (*with him*), having made a tour of state for king Bhuvanaikamalla, at the standing camp<sup>1</sup> of Baṅkāpura;—

(Lines 8-13.) On the full-moon day of Āśvayuja in the cyclic year Ānanda, the 996th (*year*) of the Śaka era, during an eclipse of the moon, having sent a summoner and convened the Three-hundred Mahājanas of the Agrahāra of Nirili and laved their feet, made over with pouring of water Basalūr, a town belonging to the Elambi Twenty, a county of the Pānuṅgal Five-hundred, with full internal authority of higher administration, for the baths and oblations of the god Rāmēśvara of the sanctuary of Pombalḷi, for scents and incense, for perpetual lamps, for the learned men of (*the cult of*) Śiva resident in the monastery, for the Brāhmanas, and for the charity-hall.

(Lines 13-21.) Hail! The Mahā-Maṇḍalēśvara Śāntivarma-dēva, who bears all titles of honour such as “he whose puissance of great might is established upon the massive summits of the great Mount Himavat mighty of majesty, the emperor of all central mountains; a magnificent sun in the sky of the Kādamba race; he whose awful rod-like arm is adorned by the residence of heroes’ Fortune won by the victories of his arms uplifted on the occasion of many a fray; a fire of Doom to potent foemen’s races; inspired with majesty and wrath; sprung from the lineage consecrated in the consecratory rites of eighteen world-renowned horse-sacrifices to (*the God of*) the Frontal Eye; presiding over eighty-four cities; lord of that best of cities the peculiarly excellent Banavāsī; lion of the Kādambas; ornament of the race of the Kādamba Emperor, the great king Mayūravarmā; he who is (*saluted*) with the noise of *permatṭi* drums and (*other*) musical instruments, who is resplendent with a banner (*bearing the device*) of a great apo, who has for crest a lion stately in pride; giver of gold to the needy, man of might to adversaries, sun in battle, cause of victory in the fray, furious elephant for his elder brother” :—

(Verse 1.) When puissant hostile monarchs come bowing at his feet for refuge,<sup>2</sup> in fear and terror of his irresistible might of arm yearning for the word “stop,” they confess their shame : at once, aha! as they swell in pride, put forth effort, become arrested, bend, contract themselves, boil in rage, strike in resistance, confronting (*thee*)<sup>3</sup> . . . will they be able to contend in the fray, O Rudra of the Kādambas ?

(Verse 2.) O king Śānta, thou Death-spirit of cosmic dissolution to warriors of puissant enemy princes, ornament of princes, Bhairava to princes, Triṇētra [Śiva] to princes, grindstone to princes, thou whose footstool is rubbed by princes’ crests, thou frontal diadem of princes, what princes on earth are like to thee ?

<sup>1</sup> See *J.R.A.S.*, 1917, p. 117.

<sup>2</sup> See on text, above.

<sup>3</sup> See above.

king was very tolerant in matters of religion and confined his munificence to no particular sect or class.<sup>1</sup>

In v. 81 it is said that the village of Padmanēri was divided into 83 shares, and the actual number of shares distributed among the donees comes to that number.

The inscription was composed by **Krishṇakavi-Kamakōṭi**,<sup>2</sup> grandson of **Sabhāpati**, and engraved by **Virāṇa-Mahāchārya**, son of **Gaṇapaya**.<sup>3</sup>

The grant closes with the usual imprecatory verses (vv. 155-59) and the sign-manual of the king.

#### TEXT.

[Metres: vv. 1-3, 38 (partly), 43-44, 46-57, 61-62, 65-67, 74-151 and 154-158, *Anuṣṭubh*; vv. 4, 6, 22, 28, 31-32, 45, 58, 63, 68-69 and 72-73, *Sardulavikrīḍita*; vv. 7, 37 and 70, *Rathod-dhatā*; vv. 5, 21, 23, 59 and 64, *Sragdharā*; vv. 8, 13 and 60, *Vasantatilakā*; vv. 9, 14, 26 and 29, *Prithvi*; vv. 10 and 19, *Śikharinī*; vv. 15, 17 and 34, *Mālinī*; vv. 11, 25 and 36, *Sailatikha*; vv. 12 and 30, *Indravajrā*; vv. 16 and 35, *Pushpitāgrā*; vv. 18, 20, 24, 27 and 33, *Upajāti*; vv. 38 (partly), 39-41, 71 and 152-153, *Āryā*; v. 159, *Śālinī*; v. 42, *Dōdhaka*.]

[NOTE.—Letters in round brackets stand for corrections of the immediately preceding letters.]

#### First Plate.

- 1 श्रीर्वेकटेशाय नमः । यस्य संपर्कपुण्येन<sup>4</sup> नारीरत्न-
- 2 मभूतिशला<sup>5</sup> । यदुपास्यं सुमनसां तदस्तु ह्यमाश्रये ।[ १\*]
- 3 यस्य हिरदवक्त्राद्याः पारिषद्याः परशतं । विष्णुं निष्प्रति भजतां
- 4 विश्वक्सेनं तमाश्रये ।[ २\*] जयति क्षीरजलधेर्जातं सद्यैषणं चरैः । पाश-

Lines 5-94 are omitted as the verses 3-42 which they contain have been printed above (Vol. XI, No. 34) as occurring in the *Mārēdapalli* Grant, most of them also in the *Dalavay Agraharam* Plates (Vol. XII, No. 21), the *Arvilimangalam* Plates (Vol. XII, No. 38) and in the two Grants of *Veṅkaṭapati* (Vol. XIII, No. 22). Some of the following verses also occur more or less exactly in the same.

#### Third Plate: Second Side.

- 95 स्तोषणरूपजितासमकांडः । भाषणे<sup>6</sup>तप्यवरायरगं-
- 96 डः पोषणनिर्भरभूवखंडः ।[ ४२\*] इत्यादिबिबुर्देवदितत्या
- 97 नित्यमभिष्टुतः । जयजीवेतिवादिन्या जनितांजलिबद्धया ।[ ४३\*]
- 98 कांभोजभोजकाकिंगकरहाटादिपार्थिवैः । प्रतीहारपदं प्राप्तेः[ ]
- 99 प्रस्तुतस्तुतिघोषणः ।[ ४४\*] सोयं नीतिजितादिभूपतिततिष्णुनाम-

<sup>1</sup> [The identification of *Vodya*, *Maḍavāḍa*, *Mahaṅkāli* and *Huggi* with names of provinces and towns is very doubtful. These are most likely family names.—Ed.]

<sup>2</sup> The composer of the *Vilāpaka*, *Koṇḍyāta* and the *Kaḷiakurśi* grants of *Veṅkaṭa* I, *Veṅkaṭa* II, and *Raṅga* VI was *Rāma*, son of *Kāmakōṭi* and grandson of *Sabhāpati*. This being the case, the name *Krishṇakavi Kāmakōṭi* in the present record may be taken to mean *Krishṇakavi*, son of *Kāmakōṭi* and brother, presumably, of *Rāma*.

<sup>3</sup> The engraver of the *Vilāpaka* grant of *Veṅkaṭa* I was *Kāmaya*, and that of the *Kūniyūr* and *Koṇḍyāta* grants, *Achyutārya*, both sons of *Gaṇapaya* or *Gaṇapārya*. It is, therefore, apparent that *Virāṇa-Mahāchārya* of our inscription was the brother of *Kāmaya* and *Achyutārya*.

<sup>4</sup> Read पुण्येन.

<sup>5</sup> Read मभूतिशला.

<sup>6</sup> Read भाषणे.



(Verse 3.) When, confronting foes with the fire of his puissant wrath, aha! he is slaying them; when by the might of his arm, hurrah! he terrifies the Guardians of the Spaces, moves great mountains, shakes the whole earth, brings dread upon the elephants of the spaces, dries up the ocean, what high spirit! Say, ho! is not the Rudra of the Kādambas instantly effective in his wrath?

(Verse 4.) In thy pride, O king, thou hast, with not a single one of them lacking, (Śiva's) brandished sword, pike, skulls, parasol, *khaṭvāṅga*-club, trident, gleaming frontal eye, elephant-hide, high mass of hair on the head, troops of fearful goblins as votaries, black throat, Gaṇi, occupying half of (Śiva's) body, and (*hair dressed in the shape of*) a dovecot on the top of wondrous matted tresses radiant with the lustre of the half-moon who has obtained eminence.

(Lines 30-33.) Hail! the Māhā-Maṇḍalēśvara who has obtained the five great musical sounds, lord of Banavāsi best of cities, the Māhā-Maṇḍalēśvara Śāntivarma-dēva, on Sunday, the first of the bright fortnight of Pushya in the cyclic year Rākshasa, the 997th (*year*) of the Śaka era, on the *uttarāyana-saṁkrānti*, when he was at the standing camp of Uñchagēri in the Seventy (?) of the county, having sent a summoner and convened the Three Hundred Mahājanas of Nirili,—

(Lines 33-37.) The Māhā-Maṇḍalēśvara Śāntivarma-dēva, and the high minister, senior controller, (*and*) general Īśvarammayya, and the high minister (*and*) controller Śōbhanayya in concert, having laved the feet (*of the Mahājanas*), made over with pouring of water Basalūr, a town belonging to the Elambi Twenty, inclusively with full internal authority, for the personal enjoyment of the god Rāmēśvara of the sanctuary of Pombaḷḷi, for the celibates and the twelve Brāhmanas worshipping the god, and for the charity-hall.

(Lines 37-40 : a prose formula of the usual type.)

(Verses 5-6 : two common Sanskrit metrical formulæ.)

(Lines 42-43.) Bichohara Gaṅgayya wrote (*the grant*) ; the stone-mason Sūdōja executed the order. Happiness! great fortune! Homage to Sarasvatī.

## No. 11.—THREE INSCRIPTIONS FROM HOTTUR.

By LIONEL D. BARNETT.

Hottūr—or, to give it its ancient name, Poṭṭiyūr—is a village in the Baṅkāpūr *tāluka* of Dhārwar District, lying in lat. 14° 56' and long. 75° 16', some three miles nearly due south from Shiggaon. The ink-impressions from which the following inscriptions have been edited by me were prepared for the late Dr. Fleet, and are now in the possession of the Trustees of the British Museum.

### A.—OF THE REIGN OF SATYASRAYA : SAKA 929.

This inscription is cut upon a rectangular block, divided into six horizontal bands, and surmounted by a stepped top; I can find no record of the site where it stands, or stood. The stone is a *vṛagal*, with sculptures of the usual type: in the uppermost compartment, a seated god with a fan-bearer on each side; below this, lines 1-6 of the inscription; below this, the hero being carried up to heaven by deities, one on each side; below this, lines 7-12 of the inscription; below this, a battle-scene, representing in the centre the hero with a bow, facing to the proper left and shooting against two archers, while a third man is falling pierced with

- 100 ग्राह्यी सुधीसार्थानां भुजतेजसा स्ववश्यं<sup>1</sup> कर्नाटसिंहासनं [1\*]  
 101 आ सेतोरपि चाहिमाद्रि विमतान् संवृत्य ग्रासमुदा सर्वोर्वीं प्र-  
 102 चकास्ति वेकटपतिश्रीदेवरायाग्रणीः । [1 ४५\*] व्योमनेत्रकळवेदु-  
 103 गणिते शकवत्सरे । वत्सरे च विळ्ळ्याख्ये मासि आवणनाम-  
 104 नि । [1 ४६\*] पक्षे वळ्ळे पुण्यायां द्वादश्यां च महातिथौ । श्रीवेकटेशपा-  
 105 दाक्षसन्निधौ श्रेयसान्निधौ । [1 ४७\*] नानाग्राह्याभिधानोपसृचेभ्यो (भ्यः)  
 106 ग्राह्यवित्तया । विख्यातेभ्यो द्विजातिभ्यो वेदविद्भ्यो विशेषतः । [1 ४८\*]  
 107 श्रीसमये तिरुवडिराज्ये वानवनाडुके । पञ्चात्तुप्पीकुके चापि  
 108 प्रख्यातिं समुपाश्रि(त्रि)तं । [1 ४९\*] प्राच्यं कोट्टाकुडिमरुगालो भिन्नाश्मनो-  
 109 पि च । वेङ्केकारङ्कुळग्राण्यो दक्षिणं मोडवन्कुळात् । [1 ५०\*] सीमनाथ-  
 110 शेचदेवनङ्कुसेतोश्च पश्चिमं । श्यामनद्याः पश्चिमां च दिशमा-  
 111 त्रितमुत्तरां । [1 ५१\*] निरुपाधिश्यामनदीसेतुपाथोभिवर्णिता(तं) । त-  
 112 षोऽवन्निगिर्योश्च मध्ये सेतुद्वयाभसां । [1 ५२\*] कुल्यावलीजलानां  
 113 च स्नातंवेण<sup>2</sup> समन्वितं । एतद्भ्रामतटाकांबुनिर्निरोधस्थला-  
 114 न्वितं । [1 ५३\*] — — — — — । श्रीमत्तिरुम-  
 115 लांबायाः पुरमित्थपराभिधं । पद्मनेरीतिनामानं ग्राम-  
 116 मारामशोभितं । [1 ५४\*] सर्वमाग्यं चतुस्त्रीमासहितं च समंततः ।  
*Fourth Plate: First Side.*  
 117 निधिनित्येपपाषाणसिद्धसाज्जकान्वितं । [1 ५५\*] अचिख्या-  
 118 गामिसंयुक्तं गणभीज्यं सभूरुचं । वापीकूपतटाकैश्च  
 119 कच्छारामैश्च संयुतं । [1 ५६\*] पुचपोचादिभिर्भीज्यं क्रमादाचंद्रतार-  
 120 कं । दानाधमनविक्रीतियोग्यं विनिमयोचितं । [1 ५७\*] आसीत्ताम्य-  
 121 पसंततौ घनतपस्संतुष्टविश्वेश्वरस्त्रीरानुग्रहभाजनात्<sup>3</sup> गुणनि-  
 122 धे<sup>4</sup> श्रीनागपृथ्वीपतेः । श्रीरामेश्वरि चंद्रमाः कुवलयानंदातुसं-  
 123 दायकः सौम्यः[\*] श्रीवरविश्वनाथनृपतिस्सर्वज्ञचूडामणिः । [1 ५८\*] प्र-  
 124 ख्यातश्रीस्तिरुवडिमहापाषाणवाणादरायप्राग्रानन्यामपि र-  
 125 त्सुखे पार्थिवानाथ जित्वा । तत्तत्स्त्रीमां(मा)त्रिजभुजबलादाहरन्  
 126 विश्वनाथश्रीणीपालोभजत मधुराराज्यसाम्राज्यकक्षीं । [1 ५९\*] त-  
 127 स्मादजायत जायमनोजवसः[\*] स्वकीत्यां विख्यातज्ञाननृपतिर्विजि-  
 128 ताभियातिः । विक्रांतिनोतिधिवषाष्ट[ति]संपदां<sup>5</sup> यः स्तुत्याययोभ-

<sup>1</sup> Read °वश्यम्.<sup>2</sup> Read °तंवेण.<sup>3</sup> Read नाहु°.<sup>4</sup> Read धे.<sup>5</sup> Omit the two syllables जाय which are repeated by mistake.

• Omit the visarga.

arrows at his feet, and six cows stand behind him; below this is the base.<sup>1</sup> The width of the inscribed bands is about 2 ft. 5 in., and their height about 6½ in. They are very much worn, and parts—happily not material—are quite broken away.—The character is Old Kanarese of the period, rather clumsy and irregular. The height of the letters varies generally between ½ in. and ¾ in. The cursive *y* appears in °*chayaṅgaḷa*[m], l. 5, and °*gēriya*, l. 12 (see above, Vol. XII, p. 335).—The language is Old Kanarese prose. Original *ḷ* is preserved, and sometimes *ḷ* is wrongly written for *ḷ*. The words *taḷaraṁ*, l. 9 (see above, Vol. XVI, p. 80), and *eḷtu* (*eḷtaṁ*, l. 10, and *eḷḷige*, l. 11), the source of the modern *ettu*, are deserving of notice.

The record, after giving the date (l. 1), describes in detail an invasion by the Chōḷa king, whom it styles Rājarāja Nitya-vinōda Rājendra-vidyādhara Nūrmaḍi-Chōḷa (ll. 1-3). This evidently refers to Rājarāja I, who was reigning at the time, and bore the title of Nitya-vinōda (*South-Ind. Inscr.*, Vol. II, pp. 151, 260 n., 301). It then relates his defeat by the Chālukya Akalaṅkacharita-Iṛivabedaṅga Satyāśraya, and the latter's triumphal progress through the south (ll. 3-6). While Satyāśraya in the course of this campaign was at the *ghaṭṭa* of Tāvare (see *Dyn. Kan. Distr.*, p. 433), and certain persons, whose names are lost, were acting as *gāruṇḍas* of the *nāḍu* and the town of Poṭṭiyūr respectively, a raid was made by robbers upon the oxen belonging to the betel-traders, and the beadle Gojjiga perished in a valiant attempt to save them. In recognition of his courage the betel-traders made a grant, apparently for a *kal-nāḍu* (ll. 6-12). The stone was prepared by Māchōja of Indēśvaragēri (l. 12).

The date is given in l. 1 as Śaka 9[2]9, the cyclic year Plavaṅga being current. What is meant is evidently A.D. 1007-8, with which Plavaṅga coincided; the words *pravarttisuttum-ire*, "being current," refer to Plavaṅga, not to Śaka 929; for Plavaṅga corresponded to Śaka 929 *lapsed* and Śaka 930 *current*.

The places mentioned are Donavura (l. 2), the *ghaṭṭa* of Tāvare, or "the Lotus-Ghāt" (l. 6), the Pānuṅgal Five-hundred (ll. 7-8), Poṭṭiyūr (l. 9), and Indēśvaragēri (l. 12). Donavura must be Donūr, in the Bāgewāḍi *tāluka* of Bijāpūr District, in lat. 16° 44½' and long. 76° 0½'. It is not clear whether the *ghaṭṭa* of Tāvare means a mountain-range or pass, as Dr. Fleet holds (*Dyn. Kanar. Distr.*, p. 433), or a bank or quay. Pānuṅgal is of course the modern Hāngal, and Poṭṭiyūr is Hoṭṭūr. I cannot locate Indēśvaragēri; but there was a sanctuary of Indrōśvara at Baṅkāpūr.

#### TEXT.<sup>2</sup>

- 1 ॐ Saka-varisha<sup>3</sup> 9[2]9neya Plavaṅga-saṁvatsaraṁ pravarttisuttum-ire |  
Rājar[ā\*]ja Nitya-vinōda Rājendra-vidyādhara[ra]
- 2 Chōḷa-kuḷa-tiḷakaṁ Nūrmaḍi-Chōḷaṁ nava-lakhka(kkha)-balaṁ-berasu baṁḍu  
Donavuradoḷ=biṭṭ-iḷdu dēsa(śa)v-eḷlavaraṁ sūre-gopḍu [s]tri-
- 3 vadhe bāḷa-vadhe brāhmaṇa-vadhegaḷaṁ geydu peṇḍiraṁ p[i]ḍidu jāti-nāsa(śa)m-  
māḍi Chōḷaṁ=irppinaṁ | Svasti śrī-rāja-
- 4 rā[ja] paramōśva(śva)ra parama-bhaṭṭārakan-Akaḷa(ḷa)mkacharita[n-I]riva-  
b[e]ḍaṅga Chālukya-kuḷa(ḷa)-tiḷa(ḷa)ka Tigula(ḷa)-māri śrī-
- 5 mat-Satyāśraya-dēva[m] Chōḷana[m] beṁ-kopḍu vastu-vāhana-chayaṅgaḷa[m]  
piḍidu temka-di-

<sup>1</sup> There seems to be likewise an inscription running down both sides of the stone. Very little of it is legible; but it apparently mentions Satyāśraya's *dig-vijaya* (cf. our inscription below, ll. 5-6), some of his titles, and the name (lost) and home (Mūlavallī) of the writer.

<sup>2</sup> From the ink-impression.

<sup>3</sup> Read Śaka-varsha.

- 129 जत दक्षिणनायकत्वं ।[ ६०\*] पद्मेव पद्मनाभस्य पुरारेखि पार्वती।  
पवि-  
130 चचरिता तस्य पद्मी लक्ष्म्यविकाभवत् ।[ ६१\*] तयोः प्राचीनपुष्पानां  
131 परिपाकविशेषतः । विनयीदार्यनयभूदभूदीरभूपतिः ।[ ६२\*]  
132 श्रीमत्सौंदरनायकस्य महति श्रेयोनिधौ संनिधौ नानाचि-  
133 त्रविशेषभूषितशिलासंभोजसन्मट्ट(ण्ट)पं । मीनाद्याः कवचं च  
134 रत्नखचितं हेमं च निर्माय यः पूजासावहदुत्तरोत्तरतया  
135 साम्राज्यमव्याहृतं ।[ ६३\*] हेमाश्वं हेमगर्भं कनकमणितुलापूर-  
136 षं विश्वचक्रं ग्रंहांड<sup>१</sup> गोसहस्रं कनककरिरथं काचनीं का-  
137 मधेनुं । सप्तांभोधीन् हिरण्यश्वरथमपि महाभूतपूर्वं च-  
138 टं च ।<sup>२</sup> स्वर्णहस्तां रत्नधेनुं व्यतनुत विधिवद्भूयसे श्रेयसे यः ।[ ६४\*] श-  
139 चीव चिदशेन्द्रस्य शीतांशोरिव रोहिणी । सधर्मिण्यभवत्तस्य

Fourth Plate : Second Side.

- 140 सती तिरुमलांबिका ।[ ६५\*] चनस्रयां च सास्रयां रुक्मीर्ति-  
141 मरुहती । कुरुते या गुणोत्कर्षैर्लोपासुद्रां च सुद्विता । [ ६६\*] वी-  
142 रभूरमणादस्यां वरकण्ठमहीपतिः । देवक्यामिंदिराजानि-  
143 र्वसुदेवादिबोदभूत् ।[ ६७\*] जैत्रश्रीवसन्तिर्जयंततनुभूषंद्राभिरा-  
144 माकृतिर्विज्ञातामितनीतिशास्त्रविततिर्वीरोत्तमालंकारितः । नी-  
145 त्या कल्पितनैकघोडशमहादानोन्नतिर्दीव्यति श्रीवीरचिति-  
146 पांबुधेरुपतिः[\*] श्रीकृष्णपृथ्वीपतिः ।[ ६८\*] विश्वोत्कृष्टविचित्ररत्न-  
147 कवचीणीषाश्रयीतांबरयोवाकल्पकिरीटकुंडलकटोसूचा-  
148 दिभूषार्पणीः । ग्रामारामरथोत्सवप्रतिदिनप्रत्यग्रकैकर्यतः  
149 प्रीती रंगपतिर्हृदाति महितां यस्मै श्रियं भूयसी ।[ ६९\*] भास्वति

प्रकटया-

- 150 रदोदये ये(य)च कांचनतुलां संचति<sup>४</sup> । पूरिताश्रमवनीमंकि(मखि)लां<sup>५</sup> संच-  
151 रंति विमलाक्षिरं हिजाः ।[ ७०\*] उदयगिरिप्यगर्भाद्दुदधेः कृष्णोदुरभि-  
152 तवसुवर्षी । पीषितबुधः कलावान् कलयति दानांबुधनतरान-  
153 धीन् ।[ ७१\*] संतैर्जीवनमभ्युपेत्य परदास्यंत्सर्वनादेवता यागीर्नाकचरा-  
154 स्तत<sup>६</sup> क्षितिसुरा देवाधिका वेदिकाः । तस्मादेवमतप्रतिष्ठितिसुगंत्वे-

<sup>१</sup> Read नृकाण्ड.

<sup>२</sup> Cancel the *danḍa*.

<sup>३</sup> Read च

<sup>४</sup> Read संचति.

<sup>५</sup> [The correction made in brackets does not suit the metre. I would read °नवनीमपंकिना.—H. K. S.]

<sup>६</sup> Read तः [or °स्तथा—H. K. S.]

- 6 g-vijayaṁ-geydu Tāvareya ghaṭṭadoḷ-iḷdu samudra-mudrita-dharā-chakraman=śka-  
 7 cha(chēhha)[ttra-chēhāyeyoḷ ?] rājyaṁ-geyyutt-ire || Gaṁṇḍ \* \* \* \* \*  
 \* \* \* \* \* mma Pānuṁ-  
 8 gall-[aynūṭṭa]ra nāl-gāvuṇḍu-geyye || \* \* \* \* \* trapa \* \* \* \* \* kke  
 nalla  
 9 Manu-mārgg-ācharita Sōmēśvara-dāsi M \* \* yyaṁ<sup>1</sup> Poṭṭiy[ūra ?gāvuṇḍu-ge]yye |  
 taḷaṅgaṁ  
 10 Gojjiga[m] ta[m]buligar=eḷtaṁ kaḷḷar-kkoḷe kādi \* \* dēva-lōkakk-esedan |  
 taṁbuliga-sāsi-  
 11 rva[r\*] neredu<sup>2</sup> eḷtige 1 viśavaṁ emdiṁge koṭṭaru | idaṁ kādaṁg-asva(śva)-  
 mēdhada phalaṁ aḷi-  
 12 daṁ paṁcha-mahā-pātaka || Besa-geydan=Indēśva(śva)ragēriya Māchōja |

## TRANSLATION.

(Lines 1-3.) The cyclic year *Plavaṅga*, (corresponding to) the 929th (year) of the Śaka era, being current—when Rājaraja Nitya-vinōda Rājendra-vidyadhara, ornament of the Chōḷa race, Nārmaḍi-Chōḷa, came accompanied by a host of nine-hundred thousand (*men*), halted at *Donavura*, and was ravaging the whole country, perpetrating murders of women, children, and Brāhmaṇs, seizing women, and overthrowing the order of caste,—

(Lines 3-7.) Hail!—the auspicious king of kings, supreme Lord, supreme Master, *Akaḷaṅka*charita *Iṭṭivabedaṅga*, ornament of the Chāḷukya race, slayer of Tamils, the auspicious king *Satyāśraya*, drove away the Chōḷa, captured his trains of baggage-waggons, and made a triumphal progress through the South ;

(Lines 7-11.) And while (*in the course thereof*), being at the *ghaṭṭa*<sup>3</sup> of *Tāvare*, he was reigning over the circle of the ocean-sealed earth under the shadow of his single parasol, at what time . . . was exercising the office of county-*gāvuṇḍa* over the *Pānuṅgal Five-hundred*, (*and*) . . . follower of the courses of Manu, servant of Sōmēśvara, was exercising the office of *gāvuṇḍa* over *Poṭṭiyūr*, the beadle *Gojjiga* defended the kine of the betel-sellers when robbers were carrying them off . . . and rose to honour in paradise. The Thousand of the betel-sellers in assembly granted 1 *viśa* for each ox in perpetuity.

(Lines 11-12.) To him who preserves this there shall be the same reward as for an *aśvamedha* sacrifice ; he who violates it incurs the guilt of the five deadly sins. *Māchōja* of *Indēśvaragēri* executed the order.

## B.—OF THE REIGN OF JAYASIMHA II : SAKA 959.

This record is cut upon a stone which was found somewhere in Survey No. 91 ; the exact site I do not know. The slab has a rounded top, with sculptures : in the centre a *linga* on a stand ; on the proper right a cow (?) ; above it, the sun (to right) and moon (to left). The inscribed area below this is about 6 ft. 1½ in. high and 2 ft. 11½ in. wide.—The character is Kanarese, of a rather irregular hand of the period. The letters vary in height from about 1 in. to ½ in ; they are largest at the beginning. The inscription is rather worn, and it is often quite uncertain whether the *sonne* is written. In the first half of the record the cursive *y* (above, Vol. XII p. 335) is more usual than the tripartite form ; the cursive *m* appears thrice, the cursive *v* thrice.—The language, except for the standing formulæ of verses 3 and 4, is Old Kanarese. The *l* is

<sup>1</sup> Possibly *Mārayyaṁ*.<sup>2</sup> Either "mountain-rango," or "quay."<sup>3</sup> Or *neradu* : the letter is not clear.

$\dot{I}I \text{ a.}$ 

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 22

24 26 28 30 32 34 36 38 40 42 44 46

24 26 28 30 32 34 36 38 40 42 44 46

123

48  
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 56  
 58  
 60  
 62  
 64  
 66  
 68  
 70

[illegible]

preserved in *iḷda*[*ṃ*], l. 2, *iḷdu*, l. 41, *negalḍ*-, l. 19, and irregularly in *paḷam*, l. 42; it is replaced by *ḷ* in *peḷavara*, l. 16, *aḷid*-, l. 43, *aḷida*, l. 44, and perhaps *baḷiy*-, l. 37. Initial *p* is kept throughout. Of some lexical interest are: *vaḍḍa-lāguḷa*, l. 32, and *vaḍḍa-lāvuḷa*, l. 37 (for the more usual form *vaḍḍa-rāvuḷa*), *pannakēṇi*, l. 32, and *chaṭṭa*, l. 24.

The record opens with a short statement of a grant made by the three controllers of taxes of the county (ll. 1-3). It then refers itself to the reign of **Jayasimha (II) Jagadēkamalla** (ll. 4-6), and states that at the time of the endowment to be chronicled **Akkā-dēvi**<sup>1</sup> (the sister of Vikramāditya V, on whom see *Dyn. Kanar. Distr.*, pp. 435, 437, 439 f.) was ruling the **Banavāsi Twelve-thousand** (ll. 6-7); the *mahā-maṇḍalēśvara* **Mayūravarma-dēva**, "lord of Banavāsi best of cities" and "a lion for Harikānta," was administering the same province and the **Pānuṅgal Five-hundred** (ll. 8-12); **Māra Gāvunḍa** of Poṭṭiyūr, who is described as "a brother-in-law to the lame" (cf. inscription C. below, ll. 16-17) and hence by reason of this service to the physically afflicted as "a *tīrtha* (holy place, where the sick and crippled resort for divine help) in the midst of the county, a *Sōmanātha* (*Sōmnāth*) of the south," was serving as *prabhu* or sheriff of the **Pānuṅgal Five-hundred** (ll. 13-22); the *Kannāḍa-sandhivigrahi* (minister for affairs of peace and war in the Kannāḍa country) and general **Chāvaṇarase**, who is described among other epithets as a *chaṭṭa* to **Siṅga** (possibly Jayasimha II), a comet (or fire) to the **Koṅkaṇ**, an uprooter of **Pannāḷa**, a grindstone to **Baḷeyavaṭṭana**, a shatterer of the pride of the fortress of **Bijavāḍi**, and a *dāsa-paṭṭa* to **Dōra**, was ruling the **Beḷvala Three-hundred** and the **Purigere Three-hundred** (ll. 23-29); and the *pergaḍe* **Akalimayya** was controlling the taxation of **Beḷvaḷa** and **Purigere** (ll. 29-32). Then follows the specification of the endowment (ll. 32-42), by which certain high revenue officials arranged for the division of the tolls on betel-leaves between the various taxation-departments and assigned a proportion for the upkeep of the **Koṁgeṛe**, or "Red Tank," presumably in or near Poṭṭiyūr. The record ends with a moral verse written by the town-clerk **Dāsīmayya** or **Dāsiga**.

It is worthy of note that the **Banavāsi** province was at this time under the rule of both **Akkā-dēvi** and **Mayūravarman**. The fact suggests that there was some close connection between the two, such as that of husband and wife; and this inference is supported by the inscription C. below, which shews that Akkā-dēvi's son, the Kādamba *mahā-maṇḍalēśvara* **Tōyima-dēva**, possessed titles very similar to those borne in the present record by Mayūravarman. Both were "lords of Banavāsi best of cities"; Mayūravarman is *Harik[ā\*]ntana siṅga* (B., l. 10), Tōyima-dēva is *Harigana siṅga* (C., l. 13). It seems therefore reasonable to infer that Mayūravarman was married to Akkā-dēvi, and that Tōyima-dēva was their son. Mayūravarman's title *Harikāntana siṅga*, "lion of Harikānta," seems to point to some services rendered to a king of that name, who may have been a predecessor (perhaps the grandfather) of the Kādamba Harikēsarin or Hariga of Baṅkāpūr; see above, Vol. XIII, p. 168 ff., and below, inser. C.

The date<sup>2</sup> is specified on l. 34 as: Śaka 959, Īśvara; Mārgasira śuddha 11; a Monday. This is regular: the given *tithi* corresponded to Monday, 21 November, A.D. 1037, on which day it ended at 11 h. 50 m. after mean sunrise (for Ujjain).

The places mentioned are Poṭṭiyūr, i.e. Hoṭṭūr (ll. 19, 34); the **Banavāsi Twelve-thousand** (ll. 7, 12, 32; spelt *Varavāse* on l. 7); the town of **Banavāsi** (l. 8); **Sōmanātha** (l. 17); the **Pānuṅgal Five-hundred** (ll. 12, 22, 32, 38); the **Koṅkaṇ** (l. 26); **Pannāḷa** (l. 26); **Baḷeyavaṭṭana** (l. 26); **Bijavāḍi** (l. 27); **Dōra** (l. 27); the **Beḷvala Three-hundred** (l. 28); the

<sup>1</sup> I think there can be no reasonable doubt that this name must be restored on l. 7, although the letters *kkā* have to be supplied by conjecture to fill the gap caused by the breaking of the stone on the proper right side.

<sup>2</sup> I have to thank Mr. R. Sewell for his kindness in verifying my calculations in this and the next inscription.





**Purigeṛe or Puligeṛe** Three-hundred (ll. 28, 39) ; the **Six-hundred** composed of **Belvala and Puligeṛe** (ll. 31, 39) ; **Mūlavalli** (l. 36) ; **Kallavaṇa** (l. 36) ; the **Ninety-six** (l. 40) ; the **Kemgeṛe** or "Red Tank" (ll. 41, 42) ; and **Bāṇarāsi**, i.e. Benares (l. 43). Sōmanātha is of course the famous sanctuary of Sōmnāth in Junāgarh State ; and Pānuṅgal is now Hāngal. Pannāla, elsewhere termed also Pannāḷeya-kōṭe, Pannāḷe-durga, Praṇāḷaka-durga, and Padmanāḷa-durga, is now Panhālā, about 12 miles NW. of Kolhāpūr (see *Dyn. Kanar. Distr.*, p. 546). Baḷeya-vaṭṭaṇa is mentioned again in *Ep. Carn.*, Vol. II (*Inscr. of Śraraṇa Beḷgoḷa*), No. 56 (cf. *ibid.*, introd., p. 41, and *Dyn. Kanar. Distr.*, p. 496). I venture to identify it with the modern Baḷia-paṭṭam (more correctly written Vaḷapaṭṭanam), lying in lat. 11° 55' and long. 75° 22' in the Chirakkal tāḷuka of Malabar District, a few miles NW. of Cannanore. Baḷiapattam was a place of considerable importance in early times ; it is the *Balaipatna* (wrongly written in some editions as *Baltipatna*) of Ptolemy's Geography, VII. i. § 6, and apparently the *Palaipatma* of the Periplus (cf. McCrindle, *Ancient India as described by Ptolemy*, p. 45, and *id.*, *Commerce and Navigation of the Erythrean Sea*, pp. 127, 129 ; Lassen, *Alterthümer*, III, pp. 181, 183) ; and there is much likelihood in Kern's view that Ptolemy's *Balaipatna* is the Baladēvapaṭṭaṇa mentioned in Varāha-mihira's *Bṛihat-saṃhitā*, xiv. 16. Bijavaḍi is uncertain : it may conceivably be the modern village of Bijwāḍgi near Hungund. Dōra, if it is a geographical name, may possibly be the same as Dōrasamudra. On Belvala see above, Vol. XIII, p. 40 ; on Puligeṛe or Purigeṛe, *ib.*, Vol. XIII, pp. 179, 188. Mūlavalli is possibly Munavalli, a village about 4½ miles SSE. from Shiggaon, 1½ miles SE. from Hottūr, and ¾ mile NW. from Baṅkāpūr.

TEXT.<sup>1</sup>

[Metres : v. 1, *Kanda* ; vv. 2 and 5, *Champakamālā* ; v. 3, *Anuṣṭubh* ; v. 4, *Śālinī*.]

- 1 . . . . Śrīmatu mūṛu nāḍa suṃkigaruṇ=īḷdu munne naḍev=āṇu pēṛina mōle
- 2 . . . [kā]ruṇyadim dharmma-chittam puṭṭi mattam biṭṭa pēṛu 1 antu 7 pēṛ[u]m [i\*] biḍad=īḷda[m] kavile brāhma-
- 3 [ṇaruman=a]ḷi[da] paṃcha-mahā-pātakan=akku
- 4 [Svasti samasta-bh]uvan-āśraya Śrī-Pri(pri)thvi-vallabha mahārājādhirāja paramē-śvara paramabhaṭṭāraḥkaṃ **Satyāśraya**-kuḷa-ti-
- 5 [lakam Chā]luky-ābharanam śrīma[j\*]-**Jagadēkamalla-Jayasimha-dēvara** rājyam=uttar-ōttar-ā-
- 6 [bhividdhi]-pravarddhamānam=ā-chandr-[ā\*]rkka-tāram baram saluttam-ire | tat-pāda-padma-ōpajīvi śrīmad-A-
- 7 [kka]-dēviyar-Vvanavāse-pannirchhāsiramuvam śu(su)kha-śa(sa)mākathā-vinōdadin=āḷuttam-ire ||
- 8 [Sva]sti samadhigata-paṃcha-mahā-śabda-mahāmaṇḍalēśva(śva)ram **Banavāsi-puravar-ēśva(śva)ram**n=ahi-
- 9 [ta-ba]ḷa-jāḷa-vimathana-janita-vīra-lakshmi-virājita-prachanḍa-dōr-ddanḍa birudara gaṇḍan=adaṭa-
- 10 [ra taḷa]-prahāri subhaṭa-Murāri sāhas-ōttuṃga **Harik[ā\*]ntana simha** vīra-śrī-pavitra su-
- 11 [bhaṭa-Tr]ipētra Rudr-āvatāra nām-ādi-samasta-prasa(śa)sti-sahita **Man-Mayūra-varmma-dēvar** Ba-
- 12 [navā]si-pannirchhchhāsiramumam Pānuṅgall-aynūṛuman-ēkāyatpadin<sup>2</sup>-āḷdu sukha-samkathā-vinōdadoḷ=ire |

<sup>1</sup> From the ink-impression.

<sup>2</sup> Read =ēka-chēḥḥatradin= [or =ēka-ātapatradin=, —Ed.].

- 155 कश्चिज्ज्ञापनामित्ये<sup>१</sup> श्रुतिमग्रहाररचनारचे कृते येन किं ।[। ७२\*] देशी-  
 156 स्त्रिज्ज्ञतसर्वमान्यकतया षट्कर्मनिष्ठा<sup>२</sup> द्विजा देवातिथ्यविधी सदाशिवि  
 157 रता यस्वेति नैवाहुतं । तत्तद्रूपकरप्रदानकलितचेष्टाधि[नि\*]र्मीचकस्त्रो[व्य]-<sup>३</sup>  
 158 हानघनान्यदेशधरणीदेवाशिषोक्षै<sup>४</sup>त्रियः ।[। ७३\*] तस्य दानधुरीणस्य तरुणादित्य-  
 159 तेजसः ।[\*] तरवारिलताकोटिताडवोद्यज्यत्रियः ।[। ७४\*] वक्षःप्रदेशे  
 माधातुर्बाह्वो रुग्मां]-<sup>५</sup>  
 160 गदस्य च ।[\*] लक्ष्मणस्य सुखांभोजे हृदये हर्षशोभिणः ।[। ७५\*]  
 प्रत्यंगमादिभूपानां प्रक-  
 161 टीकुर्वतः प्रथां । श्रीदक्षिणसमुद्रेगप्रख्यातबिरुदीनतेः ।[। ७६\*] श्रीमत्प-  
 चर्तिर-  
 162 वडिसमांगहरणौजसः । वरवीरमहीपालवाराकरसुधानिधेः ।[। ७७\*]  
 श्रीमत्तिर-  
 163 मलाबायाधिरपुण्यफलात्मनः । विख्यातकृष्णभूपस्य विज्ञप्तिमनुपालयन् ।[। ७८\*]  
*Fifth Plate: First Side.*  
 164 परीतः प्रयतै<sup>६</sup> स्त्रिग्वैः पुरोहितपुरोगमैः ।[\*] विविधैर्विबुधै<sup>७</sup> श्रीतप-  
 165 धिकैरधिकैर्गिरा ।[। ७९\*] श्रीवीरवैकटपतिमहारायमहीपतिः । स-  
 166 हिरण्यपयोधारापूर्वकं दत्तवान्मुदा ।[। ८०\*] सोयं कृष्णमहीपालरसुत्राम-  
 167 समवैभवः । ज्योत्तराशीतिवृत्तीः पद्मनेर्यां विधाय सः ।[। ८१\*] नानागोच-  
 168 द्विजातिभ्यो धारापूर्वमदाग्मुदा ।[\*] वृत्तिमंतोत्र लिख्यंते विप्रा वेदांत-  
 पारगाः ।[। ८२\*]  
 169 सार्धैकवृत्तिगणशंभुः सार्धैकवृत्ति माधवः । महाशास्ता च सार्धैकवृत्ति-  
 170 मन्त्राभिगच्छति ।[। ८३\*] श्रीमत्<sup>८</sup> चंद्रावतंसांघ्रिसेवनाचारपावनः । परोपकार-  
 171 वाङ्मत्य<sup>९</sup>फलिताधरकोटिकः ।[। ८४\*] पदवाक्यप्रमाणो भारद्वाजकुलोत्तमः ।  
 172 बह्मचोक्तलभट्टस्य<sup>१०</sup> पौत्रश्यास्त्रविदां वरः ।[। ८५\*] वीर्यश्रीपेठभट्टास्त्रेरीवधी-  
 173 शापराक्ततिः । विख्याताकलभट्टोत्र वृत्तीः पंच समश्रुते ।[। ८६\*] कौडिन्यगो-  
 174 त्रभूरापस्तबसूत्रधुरंधरः । विज्ञातोभयवेदांतो वैष्णवौघशिखाम-  
 175 णिः ।[। ८७\*] भजते मडवाडश्रीपिनमाधवयार्यजः । पंच वृत्तीस्त्रिभुवन-  
 176 विकीर्णार्यशेखरः ।[। ८८\*] आपस्तंबवतामग्रयायी कौडिन्यगोचजः । तिम-

[Lines 177-257 contain only the names, etc., of donees, for which see the list of donees given above.]

<sup>१</sup> Read °लेख.

<sup>२</sup> Read षट्.

<sup>३</sup> Read षट्.

<sup>४</sup> Read षट्.

<sup>५</sup> Read हा.

<sup>६</sup> Read वक्षः.

<sup>७</sup> Read श्रीमत्पञ्च.

<sup>८</sup> Read °कश्यप.

<sup>९</sup> Read ते.

<sup>१०</sup> Read °नामिष.

- 13 [ta]t-pāda-padm-ōpajīvi S[v\*]asty-anōka-guṇa-gaṇ-ālaṃkāra para-nāri-dūra gōtra-  
pavitra budha-jana-mitra
- 14 [ś]auch-Āmjanēya satya-Rādhyēya Sūryyaṃge bhakta durjjana-virakta keḷe-geyde  
(yye?) ku(kū)ṛppa[m] kūrtt-īyal-ārppa[m]
- 15 [b]udha-jan-ādihāra vine(na)y-āvatāra si(śi)shṭa-prasaṃga nuta-dhairyy-ōttuṃga  
āśrita-jana-kalpa-
- 16 vṛi(vṛi)ksha bandhu-jana-chintāmaṇi dāna-chūdāmaṇi Kali-yuga-Mahēśva(śva)ra  
peḷavara bhāva Sō-
- 17 [mē]śva(śva)ra-dāsi vine(na)ya-vilāsi naḍu-nāḍa tīrttha temkaṇa Sōmanāḍha(tha)  
nām-ādi-samasta-prasa(śa)sti-
- 18 sahita śrīmatu || Dānam par-ōpakāra[m\*] jñāna[m\*] Si(śi)va-bhakti satyam=  
emb=ol-guṇadoḷu
- 19 tān=adhikaṇ=enisi negaḷd=abhimāna-dhana[m\*] Poṭṭiyūra Māran-udāra || [1\*]  
Vidita-yasō(śō)-rtthan=embudu | budha-
- 20 stutan=embudu | satyavantān=embudu | naya-sā(śā)ḷiy=embudu | dayā-parān=  
embudu | sundar-āṃgaṇ=embu-
- 21 du [i\*] Manu-mārggiy=embudu | guṇ-āgrāṇiy=embudu | gōtra-ratnan=embudu |  
sakh(ka)ḷ-āvanī-taḷa]-
- 22 d[o\*]ḷ=ēm perat=embude Māra-Gāvunḍana || [2\*] Antu Pānumgall=aynūrakkam  
prabhutanam-geyvuttam-ire |
- 23 Svasti<sup>1</sup> samadhigata-paṇcha-mahā-sa(śa)bda-mahā-śa(sa)ndhi-vigraha-ādhipati mahā-  
prachamṇa-daṇḍanāyakam
- 24 ari-ghaṭ[ā\*]-mallam Siṃgana chaṭṭan=āśrita-jana-kalpa-vṛiksha[m\*] bhṛi(bhṛi)tya-  
chintāmaṇi satya-Kānina[m\*] samara-du(dhu)-
- 25 raṇdhara[m\*] pratipaksha-rākshasam ripu-kuraṃga-paṇchānana[m\*] pirid=ittu  
maṇeva[m] chalamam meṇevam pi-
- 26 suṇa-taḷa-prahāri giri-durgga-malla[m\*] Komkaṇa-dhūma-kētu Pannāḷ-ōnmūḷanam  
Baḷeyavattāna-gharaṭṭam
- 27 Bijavāḍi-kōṭe-darppa-daḷanam Dōra-diśā-paṭṭa[m\*] śrīma[j\*]-Jagadēkamalla-dēva-  
pāda-paṇkaja-bhramaram śrīmat-Ka-
- 28 nnaḍa-santhi(ndhi)vigrahi daṇḍanāyakam Chēvaṇarasar Beḷvala-mūnūruva[m]  
Purigere-mūnūruvam sukha-samkha(ka)-
- 29 thā-vinō[da\*]din=āḷuttam-ire || Tatu-pāda-padm-ōpajīvi Svasti samasta-rāja-bhara-  
nirūpita-mahāmātya-padavi-virā-
- 30 jamāna mān-ōnnata prabhu-ma[m]tr-ā(ō)tsāha-śakti-traya-sampanna pati-hit-  
āchāryyan=achaḷita-dhan(dhai)ryya nuḍi-
- 31 d=anto gaṇḍa nām-ādi-samasta-prasa(śa)sti-sahitam śrīmatu perggade Akalimay-  
yaṃgaḷ-eraḍ-aṇunūṛara sumka-
- 32 man=āḷutt-ire | pannakōpi vaḍḍa-lāgulada sumka-verggade Saṃgavayyanum  
Banavāsi-pannirchchāsiraḍa sum-
- 33 ka-verggadhe(ḍe) Chāvunḍamayyanum Pānumgall-aynūrara manneya sumka-  
verggade Dūḍiyammanu[m] ant-anibaruv=i-
- 34 [du] Saka-varisha<sup>2</sup> 959neya Isvara<sup>3</sup>-samvatsarada Mārggaśi(śi)ra-su(śu)ddha  
ekadasi(śi) Sōmavāradandu Poṭṭiyūra Mā-

<sup>1</sup> This word is preceded on the stone by a *śaṅkha*-symbol made up of small circles

<sup>2</sup> Read *Saka-varsha*.

<sup>3</sup> Read *Isvara*.

## Seventh Plate.

- 258 श्रीवेङ्कटपतिरायचित्तिपतिवर्धस्य कीर्त्तिधुर्यस्य । मास-  
 259 नमिदं सुधीजनकुवलयचंद्रस्य भूमिचंद्रस्य । [। १५२\*] [श्री\*]वेङ्कटपतिरा-  
 260 यस्मापनिदेशेन मासनस्त्रीकान् [।\*] कण्ठकविकामकीटिस्सर-  
 261 समभाषीत्सभापतेः पौत्रः । [। १५३\*] श्रीवेङ्कटमहारायसूक्त्या गणप-  
 262 यात्मजः । श्रीवीरर्णमहाचार्यो व्यक्तिखि(ख)त्ताममासनं । [। १५४\*]  
 दानपा-  
 263 लनयोर्मन्त्रो दानात्त्र्ये'योनुपासनं । दानारखर्गमवाप्नोति पाल-  
 264 नादद्युतं पदं । [। १५५\*] खदत्ताहि'गुणं पुष्पं परदत्तानुपासनं ।  
 परद-  
 265 तापहारिण खदत्तं निष्फलं भवेत् । [। १५६\*] खदत्तां परदत्तां वा  
 यो हरि-  
 266 त वसुंधरा । षष्टिवर्षसहस्राणि विष्ठायां जायते क्रिमिः<sup>१</sup> । [। १५७\*]  
 एकैव  
 267 भगिनी लोके सर्वेषामेव भूभुजा । न भोग्या न करपाद्या विप्रदत्ता  
 268 वसुंधरा । [। १५८\*] सामान्योयं धर्मवितुर्नृपाणां काले काले पावननीयो-  
 (यो) भ-  
 269 वद्विस्स'वनिताग्भाविनः पार्थिवेन्द्रान् भूयो भूयो याचते रामचंद्रः ।  
 [। १५९\*]  
 270 श्रीवेङ्कटेश<sup>२</sup>

## ABSTRACT OF CONTENTS.

- Verses 1-3. Invocation to Veṅkaṭēśa, the feet of Rāma, Vishvaksēna and the Moon.  
 Vv. 4-6. The genealogy of the Āravīṭi family down to king Bukka.  
 Vv. 7-8. Praises of Bukka and his wife Ballāmbikā.  
 Vv. 9-11. The conquests of Rāma-Rāja, son of Bukka.  
 Vv. 12-13. Praises of Śrīraṅga-Rāja I, son of Rāma-Rāja and Lakṣmībikā.  
 Vv. 14-15. Praises of Tirumalāmbikā, wife of Śrīraṅga-Rāja and the mother of Rāma-  
 Rāja, Tirumala-Rāja and Veṅkaṭādri.  
 Vv. 16-17. The military exploits of Rāma-Rāja.  
 V. 18 Praises of Veṅkaṭādri-Rāja  
 Vv. 19-23. Of the three sons of Śrīraṅga, Tirumala-Rāja alone by his military prowess  
 succeeded to the throne. His pilgrimages and benefactions.

<sup>१</sup> Read श्री.<sup>२</sup> Read कति;<sup>३</sup> In Kannada-Telugu characters.<sup>४</sup> Read श्री.<sup>५</sup> Read श्रीः.

- 35 ra-Gāvunḍum<sup>1</sup> Gakaruva Surimayya Poleyamma ,Gētimayya perggaḍe  
Būhimayya sēnabōva Dāsīmāyā
- 36 int=ivar=mmodal-āgi mūvadimbarggaṁ Mūlavalli bāḍa Kallavapaṁ<sup>2</sup> antu nālku  
bāḍak[kam\*?] koṭṭa sā(śā)sana-maryyā-
- 37 de emnt=endade eleya pēriṅge patteṁ[u\*] biṭṭu baḷiy=eleya pōṇaṁ kaḷedu  
vaḍḍa-lāvuḷada suṁkadavaru pēriṅge ko-
- 38 ḷva visavaṁ pattu | Paṇuṁgall-aynūṇaṇa perjjuṁkamun manneya suṁkamun  
kūḍi pēriṅge koḷva visavaṁ panneradu vare |
- 39 eraḍ-aṇuṇṇaṇa perjjuṁkadavaru pēriṅge koḷva visavaṁ padinaydu Puligere-  
nāḍa manneya suṁkadavaru pēriṅge ko-
- 40 ḷva visav=aydu | toṁbhatt-āṇaṇa maṁṇneya suṁkadavaru pēriṅge koḷva  
visavav=ondu vare | ant=anibaru suṁki-
- 41 garuv=iḷdu i(1) Keṁger[e\*]ge barisavaḷa āṇu pōṇa suṁkamam biḍuvāru |  
tambuliḡa-sāsirvvaru |<sup>3</sup> i(1)
- 42 Keṁgerege pēriṇalu koṭṭa visavan=ondu | Ant=i dharmmaṁa[m\*] kiḍal=iyade  
kāḍ-ātaṁge asva(śva)mōdham geyda paḷam<sup>4</sup>=a-
- 43 kku Alid-ātaṁge Bāṇarāsiyolu sāl(yi)ra kavileyuma[m] sās[iṇva]ru catur-vvōda-  
pāragar=appa br[ā\*]-
- 44 hmaṇaran-aḷida paṁcha-mahā-pātakan=akku | Sva-dattāṁ para-dattāṁ v[ā] yō  
harētu(ta) vasundharāṁ [\*] shasṭir=vvarshsha-sa-
- 45 hasrāṇi |<sup>5</sup> viśṭhāyāṁ jāyatō krimi<sup>6</sup> || [3\*] Sāmānyō=yāṁ dharmma-sētu[r\*]  
nri(nṇi)pāṇḍam kāḷē kāḷē pāṇiyo bhavadbhi[h\*] | sarvvān=ē-
- 46 tān=bhāgina[h\*] prātivēndra<sup>7</sup> | bhūyō bhūyō yāchatō Rāmabhadra[h] || [4\*]  
[ ( ) ( ) ( ) ( ) — ( ) — ( ) ( ) ( ) ] sōlad-ir=āhava-raṁga-bhūmiyō-
- 47 ḷu kusiyad-ir=ittudam maguḷe koḷḷad-ir[ — ( ) ( ) — ( ) — ( ) — | ( )  
( ) ( ) ( ) — ( ) — ( ) ( ) ( ) — ] tṭad-ir=oykane laṁchav=indu koṇḍ=esu-
- 48 gad-ir=ēḷuvōḷe narakam narargg(rg)=endapan=alte Dāsiga | (||) [5\*] Antu  
Manu-mārggi . . . tanimo . . . sēnabōva Dāsīmāyā[m\*] barada[m]

## TRANSLATION.

(Lines 1-3.) . . . The three controllers of taxes of the county in assembly, inspired by piety, graciously assigned in addition to the six loads previously in usage (*for the income of the sanctuary*) 1 load more, altogether 7 loads. He who fails to make the grant shall incur the guilt of the five deadly sins, as though he destroyed cows and Brāhmaṇs.

(Lines 4-6.) When the reign of—hail!—the asylum of the whole world, favourite of Fortune and Earth, great Emperor, supreme Lord, supreme Master, ornament of Satyāśraya's race, embellishment of the Chāḷukya, king Jagadēkamalla-Jayasiṅga, was advancing in a course of successively increasing prosperity, (*to endure*) as long as moon, sun, and stars :—

(Lines 6-7.) While she who finds sustenance at his lotus-feet, Akkā-dēvi, was ruling the Vanavāse Twelve-thousand with enjoyment of pleasant conversations :—

(Lines 8-12.) While—hail!—the Mahā-Maṇḍalēśvara who has obtained the five great musical sounds, lord of Banavāsi best of towns, who bears all titles such as “he whose

<sup>1</sup> An error for *Gāvunḍanum* or *Gāvunḍam*?

<sup>2</sup> This *daṇḍa* is superfluous.

<sup>3</sup> This *daṇḍa* is superfluous.

<sup>7</sup> Read *prāttivēndrān*, and delete the *daṇḍa*.

<sup>2</sup> Apparently some names have been omitted.

<sup>4</sup> Read *paḷam*.

<sup>6</sup> Read *krimih*.



terrible rod-like arm is adorned by warriors' Fortune engendered from churning the waters of hostile hosts,<sup>1</sup> hero of title-bearers, buffeter of the bold, a Murāri to brave soldiers, exalted in enterprise, a lion to Harikānta, pure with warriors' Fortune, a Triṇōtra [Śiva] of brave soldiers, an embodiment of Rudra," king **Mayūravarmān**, ruling the **Banavāsi Twelve-thousand** and the **Pānuṅgal Five-hundred** under his single parasol, was in the enjoyment of pleasant conversations :—

(Lines 13-18.) While one who finds sustenance at his lotus-feet, the bearer of all titles such as—hail !—"adorned by a series of many virtues, remote from others' wives, purifying his *gōtra*, friend to sages, an Āñjanēya [Hanumān] in purity, a Rādheya [Karna] in truthfulness, votary of the Sun, ill-disposed to the evil, delighting in making friendship, strong in glad giving, foundation of sages, embodiment of culture, associating with the refined, exalted in renowned firmness of character, free of desire to dependents, wishing-gem to kinsfolk, crest-jewel of bounty, a Mahāśvara of the Kali Age, a brother-in-law to the lame, servant of Sōmāśvara [Śiva], brilliant in culture, a site of salvation in the centre of the county, a southern Sōmanātha," the fortunate—

(Verse 1.) **Māra of Poṭṭiyūr**, illustrious for his pre-eminence in the goodly qualities of bounty, philanthropy, knowledge, devotion to Śiva, (and) truthfulness, is rich in esteem, noble :—

(Verse 2.) Of **Māra Gāvunḍa** it may be said that he knows the meaning of fame, that he is praised by sages, truthful, politic, gracious, comely of person, observant of the courses of Manu, eminent in virtue, a gem of his *gōtra*, (*than who*) what higher thing is there on the whole earth ?—

(Line 22.) Was thus holding the shrievalty over the **Pānuṅgal Five-hundred** :—

(Lines 23-29.) While—hail !—the High Commander for affairs of peace and war, who has obtained the five great musical sounds, the great august general, wrestler with hosts of foes, *chaṭṭa* for **Siṅga**, tree of desire for dependents, wishing-gem for servants, a Kānina [Karna] in truthfulness, leader in battle, demon to adversaries, lion to the deer his enemies, giving abundantly and forgetting it, displaying enterprise, buffeter of the malignant, wrestler with mountain fastnesses, a comet<sup>2</sup> to the Koṅkaṇ, an uprooter of **Pannāḷa**, a grindstone to **Baḷoyavaṭṭana**, a shatterer of the pride of the fortress of **Bijavāḍi**, a scatterer<sup>3</sup> of **Dōra**, a bee to the lotus-feet of king **Jagadēkamalla**, minister for affairs of peace and war in the Kannaḍa (*country*), the General **Chāvanarasa**, was ruling the **Beḷvala Three-hundred** and the **Purigere Three-hundred** with enjoyment of pleasant conversations :—

(Lines 29-32.) While one who finds sustenance at his lotus-feet,—hail !—he who possesses all titles such as "illustrious in the office of high minister appointed for the administration of the whole kingdom, exalted in dignity, having the three powers of lordship, counsel, and enterprise, teacher of weal for his master, immovable in firmness, a man of valour in accordance with the name," the superintendent **Akalimayya**, was administering the taxation of the **two** (*provinces of Beḷvala and Puligere forming*) a **Six-hundred**,<sup>4</sup>—

(Lines 32-34.) **Sanḡavayya**, controller of the taxes of the *pannakēni vaḍḍa-lāguḷa*,<sup>5</sup> and **Chāvunḍamayya**, controller of the taxes of the **Banavāsi Twelve-thousand**, and **Dūḍiyamma**,

<sup>1</sup> This epithet is meant to suggest a reminiscence of the legend of Lakshmi's birth from the churning of the Milk-Ocean.

<sup>2</sup> Or, fire.

<sup>3</sup> Kittel's Dictionary explains *disā-paṭa* as "causing (his enemies) to be scattered in all directions."

<sup>4</sup> See Dr. Fleet's note on the Soratūr inscription, above, Vol. XIII, p. 178.

<sup>5</sup> *Pannakēni* seems to be connected with *kēni* (*krēni*), "traffic, trade"; the first half may perhaps be connected with *pann-āya*. The forms *lāguḷa* (l. 32) and *lāvuḷa* (l. 37), beside the more usual *rāvuḷa*, shew the history of the word, which seems to be connected with *lāvana*, *lāvani*, and the Marāṭhi *lāganesh* (see Kittel, s.v.); hence *lāguḷa* (or *lāguṇa* ?) would be the oldest form, *lāvuḷa* next in order of time, and *rāvuḷa* the last. Cf. the word *ekka-lāvapa* in the inscriptions of Ittagi and Sūdi (above, Vol. XIII, p. 46, Vol. XVI, p. 86 and note).





controller of the taxes of the seigniories of the **Pānuṅgal Five-hundred**, being together in assembly,—

(Lines 34-42.) On Monday, the eleventh day of the bright fortnight of **Mārgaśīra** in the cyclic year **Īśvara**, the 959th (year) of the Śaka era, gave to the Thirty, headed by **Māra Gāvunḍa** of **Pottiyūr**, **Gakaruva Surimayya**, **Poleyamma Gētimayya**, the superintendent **Būhimayya**, and the town-clerk **Dāsīmayya**, and to the four towns, namely the towns of **Mūlavallī** and **Kallavaṇa**, an edictal regulation of the following tenour: granting on each load of betel-leaf eighteen (*leaves*), and excepting the loads of *baḷi*-betel,<sup>1</sup> the controllers of the taxes of the *vaḍḍa-lāruḷa* shall draw ten *viśa* on each load; the main-tax of the **Pānuṅgal Five-hundred** and the seigniorial tax thereof jointly shall draw twelve *viśa* on each load regularly; the controllers of the main-tax of the two (*provinces of Belvala and Puligere forming*) a Six-hundred shall draw fifteen *viśa* on each load; the controllers of taxes of the seigniories in the **Puligere** county shall draw five *viśa* on each load; the controllers of taxes of the seigniories of the Ninety-six shall draw one *viśa* on each load regularly. The above tax-officers in assembly shall assign to this **Keṁgere** the tax of six loads as annual income. The Thousand of betel-traders granted to this **Keṁgere** one *viśa* on each load.

(Lines 42-44.) So to him who guards this pious foundation, not suffering it to be injured, there shall be the same fruit as if he performed a horse-sacrifice; to him who violates it there shall be the guilt of the five deadly sins, as though he destroyed at Benares a thousand kine and a thousand Brāhmaṇs versed in the Four Vēdas.

(Verses 3-4: two common Sanskrit verse-formulae.)

(Verse 5.) . . . . . be not defeated, on the stage of battle bend not, take not back what has been given . . . . . duly, take now no bribe. There is a sevenfold<sup>2</sup> hell for men. Thus verily saith Dāsiga.

(Line 48.) So the follower in the courses of Manu . . . . . the town-clerk **Dāsīmayya** has written.

### C.—OF THE REIGN OF SOMESVARA I: SAKA 988.

This is upon a slab found by the *hoṇḍu* or tank in the village. The stone has a rounded top divided vertically into three compartments containing sculptures: in the central one is a *līṅga* on a stand; in that on the proper right is a seated votary facing full front, with the sun and moon above; in that on the left, a cow and sucking calf. The inscribed area below this is 3 ft. 10½ in. high and 3 ft. 6 in. wide.—The characters are good Kanarese of the period, but considerably worn, so that it is often difficult to arrive at certainty in the reading of details such as the *sonne*. The letters are from ½ in. to ¾ in. high. The cursive *y* (above, Vol. XII, p. 335) is used in *Pottiyūr*—(l. 5).—The language is Old Kanarese, except for the formal Sanskrit verses on ll. 40-42. The *ḷ* appears in *irḷa*, for *iḷda* or *irḍa* (l. 15), *negaḷdan* (l. 18), *nāḷ*<sup>o</sup> (l. 22), *iḷdu* (ll. 22, 32); it is changed to *ḷ* in *Chōḷa* (l. 4), *paḷaraṅge* (l. 17), *aḷid*- (l. 39), and to *r* in *bērkuvē* (l. 17). Initial *p* is preserved, except in the name *Haṇḍiyūr* (l. 6). The *upadhmātāya* is found in the Sanskrit *bhāgiṇaḥ*=*p*<sup>o</sup> (l. 41). Words of lexical interest are: *kuttumbitti* (l. 6), *garuḷi* (l. 12: Kittel has *garuḍi*), *baṁgāra* (l. 13: apparently to be distinguished from *baṁgāra*), *baruhi* (l. 23: for Sanskrit *barhi*), *sote* (l. 32: possibly connected with Sanskrit *sudhā*), *poge-voge* (l. 34), *padu-bara* (l. 35), *bojuma* (l. 37), *ugura* (l. 37). On the nominatively used genitive *Kēsi Gāruṇḍana* in l. 32 see *J. R. A. S.*, 1918, p. 105.

The record first refers itself in ll. 1-3 to the reign of **Traiḷōkyamalla-Āhavamalla (Sōmēśvara I)**, and then mentions one of his feudatories, the **Mahā-Maṇḍalēśvara Jēmarasa**, as

<sup>1</sup> I do not know whether *baḷi* here means a special kind of betel, or signifies "gift."

<sup>2</sup> This is also the Jain number. Manu speaks of 21.

Vv. 24-25. The conquests of **Koṇḍaviḍu**, **Vinikoṇḍa** and other fortresses by **Śrīraṅga-Rāya (II)**, son of **Tirumala-Rāya** and **Veṅgaḷāmbā**, while staying at **Uddagiri (Udayagiri)** and at his capital **Penukoṇḍa**.

V. 26. **Śrīraṅga-Rāya's** coronation ceremony and his praises.

Vv. 27-28. **Veṅkaṭapati-dēva-Rāya** succeeds his brother **Śrīraṅga-Rāya** on the latter's death.

V. 29. **Veṅkaṭapati-Rāya's** coronation performed by his preceptor **Tāṭayārya** and his conquest of the **Yavanas (Muhammadans)**.

V. 30. His queens were **Veṅkaṭāmbā**, **Rāghavāmbā**, **Peḍōbamāmbā** and **Kṛishṇa-māmbā**.

V. 31. The defeat of **Mahamanda-śāhu (i.e. Muhammad Shah)**, son of **Malik-ibharāma (i.e. Malik Ibrāhim)**.

Vv. 32-45. His numerous *birudas* and praise.

Vv. 46-48. In the **Śaka** year *vyōma-nētra-kaḷamb-ēndu* (i.e. 1520), in the **cyolic year Viḷambin**, in the month of **Śrāvana**, in the bright fortnight, on the **dvādaśī day**, in the presence of god **Veṅkaṭēśa**, the grant was made to Brahmins of various *śākhās*, names, *gōtras* and *sūtras*, most of whom were well-versed in the **Vēdas**.

Vv. 49-57. The object of the grant was the village of **Padmanēri**, in the **Tiruvaḍi-rājya**, **Vānava-nāḍu** and the **Paṇchastuppōkku**, of which the boundaries are set forth in detail. The terms of the grant.

Vv. 58-59. The genealogy of the [**Nāyaka**] kings of **Madhurā—Nāga** and **Viśvanātha**. The latter conquered **Vāṇadarsya**, the great **Pāṇḍya** and the **Tiruvaḍi** kings.

Vv. 60-61. Praises of **Viśvanātha's** son **Kṛishṇa**, the **Nāyaka** of the south and his wife **Lakshmyambikā**.

Vv. 62-64. Praises of their son **Vira** and his gifts to the temples of **Sundara-Nāyaka** and **Minākshi** (at **Madura**) and the numerous religious rites which he performed.

Vv. 65-66. Praises of **Tirumalāmbikā**, wife of **Vira**.

Vv. 67-77. Praises of **Kṛishṇa (Nāyaka)**, son of **Vira**, his gifts to the god of **Raṅga (i.e. Śrīraṅgam)** and his *birudas* 'lord of the Southern Ocean' and 'the conqueror of the army of **Pañchar-Tiruvaḍi**'

Vv. 78-80. The gift of the said village of **Padmanēri** was made by king **Veṅkaṭapati-Rāya** at the request of **Kṛishṇa (Nāyaka)** of **Madura**.

V. 81. The village was divided into 83 parts.

Vv. 82-83. Grant to **Śāmbhu**, **Mādhava (Vishṇu)**, and **Mahāśāstrī**, the village deities.

Vv. 84-151. The names of the donees and their shares.

Vv. 152-153. The poet who composed the verses in the grant at the command of **Veṅkaṭapati-Rāya**, was **Kṛishṇakavi Kāmakōṭi**, grandson of **Sabhāpati**.

V. 154. The engraver of the grant, at the bidding of **Veṅkaṭa-Mahārāya**, was **Viraṇa-Mahāchārya**, son of **Ganapaya**.

Vv. 155-159. The usual admonitory and imprecatory verses, followed, in line 270, by the 'sign-manual' *Śrī-Veṅkaṭēśa* in the **Kannaḍa-Telugu** script.

ruling over **Poṭṭiyūr**, **Elavatti**, **Niṭṭasiṅgi**, **Haṇḍiyūr**, and many other towns and *kuttumbitti* as an *aṇṇu-jīṛita* or "love-fief" (ll. 3-6). Jēmarasa among other titles is described as "a submarine fire to the ocean of the **Chōla's** hosts" (see *Dyn. Kanar. Distr.*, p. 436) and as "a flame of doom to **Bhōja**," namely the **Paramāra Bhōja of Mālwa** (*ibid.*). The record then introduces Jēmarasa's son, the Mahāsāmanta **Jōyiyarasa**, as governing **Poṭṭiyūr** as a *kumṭaravṛitti* or "prince's fief" (ll. 6-8), and then gives at great length the titles and dignities of the **Kādamba Mahā-Maṇḍulēśvara Tōyima-dēva**, "lord of **Banāvasi** best of towns," "warrior for **Mēruḡa**," "lion of **Hariga**," etc., who at this time was administering the **Banavāsi Twelve-thousand** and the **Pānuṅgal Five-hundred** (ll. 8-14). Of this Tōyima-dēva we have already spoken (see above, *inscr. B.*, and *Dyn. Kan. Distr.*, pp. 435, 564). His title "lion of **Hariga**" seems to indicate services rendered to his kinsman the **Kādamba Hariga** or **Harikēśarin of Baṅkāpūr**, whose record of Śaka 977 has been published by me above, Vol. XIII, p. 168 ff.

Our inscription now introduces **Gōḍuvāra Māra Gāvunḍa** of **Poṭṭiyūr** (ll. 15-18). Māra's acquaintance we have already made in inscription B.; we here learn the reason for the title "brother-in-law to the lame," which is given to him there (l. 16); for here we are told that to many footless men who came to seek his favour he gave feet. What precisely is meant by this is not clear. It may be that Māra furnished them with wooden legs; it may be that he supplied them with medical treatment (or perhaps even faith-healing).<sup>1</sup> Be this as it may, he gained a great reputation, and was called "a southern **Sōmanātha**" (as in *inscr. B.*). We next learn that his son **Chālukya-Gaṅga-Vormāḍi Kēśava** (**Kēśirāja** or **Kēsi**) **Gāvunḍa** was at the time serving as Gāvunḍa of **Poṭṭiyūr** (ll. 18-22). Kēsi obtained from the **Kādamba** king **Hariga** (**Harikēśarin of Baṅkāpūr**, to whom we have referred in the last paragraph) all the emblems of royalty (ll. 23-24), and received similar honours from king **Chālukya-Gaṅga-Vormāḍi** (**Vikramāditya VI**: cf. the **Baṅkāpūr** inscription, l. 10, above, Vol. XIII, p. 170), who, regarding him as a son, gave him his own name (ll. 24-26). Besides making various bountiful gifts to men of eminence (ll. 27-28), Kēsi constructed a temple of Śiva with the title of **Kēśavēśvara** (ll. 28-30). For this temple an endowment was granted by **Jōyiyarasa**, **Tōyima-dēva**, and **Mailala-dēvi** (ll. 30-35). Who this **Mailala-dēvi** was does not appear; possibly she was **Tōyima-dēva's** wife. As a supplement to this endowment, **Tōyima-dēva's** mother **Akkā-dēvi** (on whom see above, *inscr. B.*) assigned to the monastery the fee due to her on the occasion of "laving the feet," formally transferring it to the nun **Gāṅgikabbe** (ll. 35-37). It is interesting to find a woman holding such a representative position in a community of Śaiva ascetics. Finally we learn that the inscription was composed by the poet **Rajavallabha**, and was corrected and amplified by **Chandra Bhaṭṭa** (see *J.R.A.S.*, 1920, p. 377 n.) and **Baḷabhadra-dēva**; the mason was **Dāsoja** (ll. 43-44).

The date is specified on ll. 30-31 as: Śaka 988, the cyclic year **Parābhava**; the full-moon of **Paushya**; Sunday; the *nakṣatra* **Hastā**; the *uttarāyana-saṁkrānti*; a *vyatipāta*. This is grievously incorrect, if we reckon according to the Southern cycle. The full-moon of **Paushya** in the given year accordingly fell on **Wednesday, 3 January, A.D. 1067**, on which day the full-moon *tithi* ended 11 h. 16 m. after mean sunrise. This *tithi* corresponded to the *nakṣatra* **Pushyā**, not **Hastā**; and the *uttarāyana-saṁkrānti* occurred on Sunday, 24 December, A.D. 1066, when the *nakṣatra* was **Pūrva-Phalgunī**. On the other hand, if we calculate by the Northern cycle, the *tithi* would correspond to **Sunday, 26 December, A.D. 1064**, on which day it ended about 12 h. 24 m. after mean sunrise; but the *uttarāyana-saṁkrānti* of that year took place 21 h. 53 m. after mean sunrise on Thursday, 23 December, and the *nakṣatra* at mean sunrise on the

<sup>1</sup> Several cases of faith-healing for lameness are recorded in the inscriptions of Epidauros: see Collitz and Bechtel, *Sammlung d. griech. Dialekt-Inschriften*, III, iii., Nos. 3339, 3340.

No. 23.—VELLANGUDI PLATES OF VENKATAPATI-DEVA-MAHARAYA I: SAKA-SAMVAT 1520.

By the late T. A. GOPINATHA RAO, M.A., TRIVANDRAM.

The inscription edited below is engraved on a set of seventeen copper-plates.<sup>1</sup> These have the shape common to all inscribed plates bearing the deeds of grants made by the kings of the Vijayanagara dynasty of the period to which this set belongs. In the curved upper part of each of these plates is a round hole through which the binding ring is meant to pass; to the proper left of this hole and on the first side of each plate is marked the number of the plate in Telugu-Kannada numerals. The rims are raised to protect the writing from damage. When the set came to me for examination, there was no ring. The first plate is engraved on the second side, and the last one on its first side only. Plates 7, 13 and 14 are lost; since these belong to that part of the document which enumerates the names of donees, the historically important portion of the record is intact. The preservation of the inscription is very good. From impressions taken under my supervision, as also from the originals, I now edit the inscription.

The alphabet of the record is Nandināgarī; the sign-manual of the king, the word *Sri-Venkaṭeśa*, is in the Telugu alphabet. There is nothing peculiar in the orthography of the inscription demanding special comment. All the faults usual in the other documents of the Vijayanagara kings are also found in this; for example, the use of the *anusvāra* for the *varga-pañchama*, *sa* for *śa*, etc.

The grant belongs to the reign of the king Venkaṭapati-dēva-Mahārāya. His genealogy is traced from the moon as follows :—

Moon  
|  
Budha  
|  
Purūravas  
|  
Āyu  
|  
Nahusha  
|  
Yayāti  
|  
Puru  
|  
Bharata  
|  
Śantanu  
|  
(Fourth descendant) Vijaya (Arjuna)  
|  
Abhimanyu  
|  
Parikshit  
|  
(Eighth descendant) Nanda  
|  
(Ninth descendant) Chalikka  
|  
(Seventh descendant) Rājanarēndra  
|  
(Tenth descendant) Bijjalēndra  
|  
(Third descendant) Vira-Hemmāli-Rāya,  
the Lord of Māyāpuri  
|  
(Fourth descendant) Tāta-Pinnama

<sup>1</sup> [Noticed in paragraph 59 of Part II of the A. R. on Epigraphy (Madras) for 1912.—H. K. S.]

full-moon day of Paushya was Punarvasu. Calculation by mean longitudes and motions will not remove these discrepancies ; for it gives as *tithi* and week-day the same date (Sunday, 26 December, A.D. 1064), with Friday, 24 December, for the *uttarāyana-samkrānti*, and Punarvasu as *nakshatra*.

The places mentioned are : **Poṭṭiyūr** (ll. 5, 8, 15, 22, 30, 32 f.), **Elavatti** (l. 6), **Niṭṭasiṅgi** (l. 6), **Haṇḍiyūr** (l. 6), the **Male** or Highlands (l. 11), **Banavāsi** (l. 11), the **Banavāsi Twelve-thousand** (l. 14), the **Pānuṅgal Five-hundred** (l. 14), and **Kōvagere** (l. 33 f.). Elavatti is the village called Yelawati in the Bombay Postal Directory and Yalvatti in the Bombay Survey ; it lies in Hāṅgal *tāluka*, in lat. 14° 51½' and long. 75° 10½'. Niṭṭasiṅgi is now Nidsiṅgi (Nidsangi in the Bombay Survey), in the same *tāluka*, in lat. 14° 52' and long. 75° 10¼'. Haṇḍiyūr I cannot locate, unless (which I doubt) it is to be identified with "Handihāl" of the Survey, a village 4½ miles nearly west of Hāṅgal town, in lat. 14° 45¼' and long. 75° 5½'.

### TEXT.<sup>1</sup>

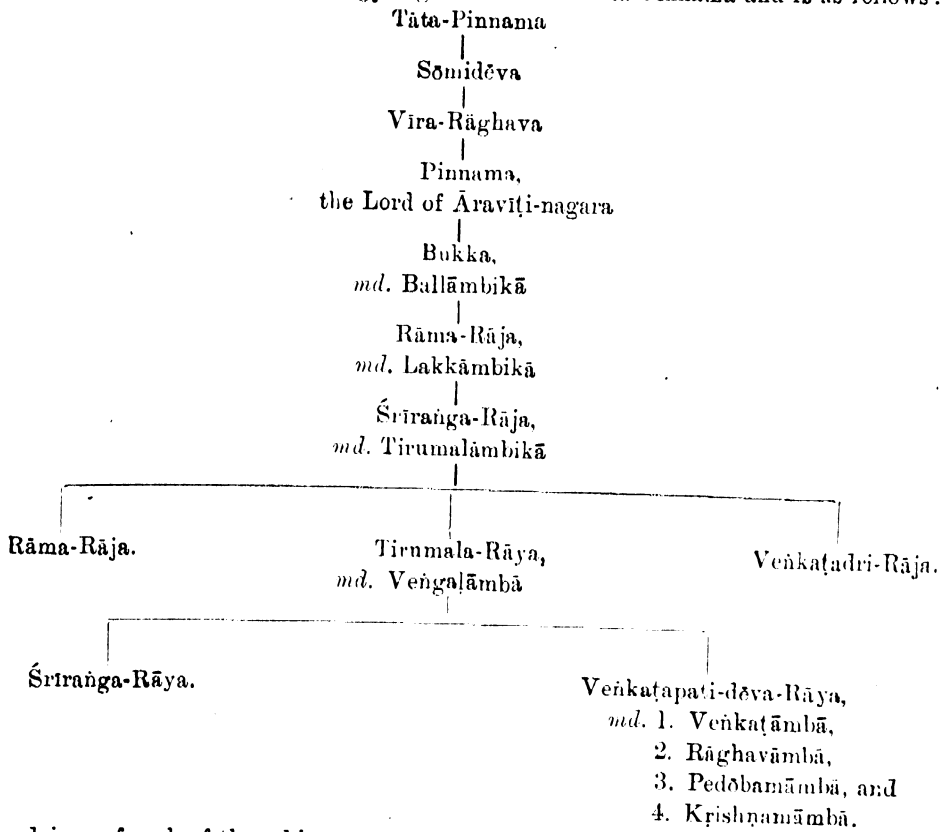
[Metres : vv. 1, 3, 4, 6, *Kanda* ; vv. 2, 7, 8, 9, *Mattābhavikrīḍita* ; v. 5. *Mahāśragallharā* ; v. 10, *Śālinī* ; vv. 11, 12, *Anuśṭubh* ; v. 13, *Champakamālā*.]

- 1 ○ ○ Svasti samasta-bhuvan-āśraya Śrī-Pri(pri)thvi-vallabha mahārāj-ādhirāja  
○  
\* paramēśva(śva)ra parama-bhaṭṭārakam **Satyāśraya**-kuḷa-tiḷakam **Chāḷu-**
- 2 **ky-ābharanam** śrīma[t\*]-**Traiḷōkyamalla-Āhavamalla-dēvara** vīje(ja)ya-rājyam=  
uttar-ōttar-ābhivri(vri)ddhi-pravarddhamānam=ā-chaṇḍr-ārkkā-tāram barām sa-
- 3 luttam-ire || tat-pāda-padma-ōpajīvi || Samadhigata-paṇcha-mahā-śabda-  
mahāmaṇḍalēśvarām samara-Mahā(hē)śvarām sau(śau)ryya-kaṇṭhīravām raṇa-  
raṅga-Bhairava[m] bhṛitya-chintāmaṇi
- 4 subhaṭa-si(śi)rōmaṇi satya-Rādhyeām sau(śau)ch-Āmjanēyam bhuvan-ābhīrāmām  
sāhas-ōddāmām svāmi-saiḥnnāham budha-jan-ōtsāham **Chōḷa**-baḷa-jaladhi-Baḍav-  
āṇaḷam **Bhōja-**
- 5 kāl-āṇaḷam=ubhaya-baḷ-ūchāryyam Mandara-dhairyyam śrīmad-**Āhavamalla-dēvara**  
vagga nām-ādi-samasta-prasa(śa)sti-sahitam śrīman-mahāmaṇḍalēśvarām **Jēma-**  
rasam **Poṭṭiyū-**
- 6 **r-Elavatti Niṭṭasiṅgi Haṇḍiyūra** modal=āge palayam bāḍamgaḷam  
kuttumbittiyam=aṇugu-jīvitadin=āḷuttav-ire | tat-tanūjam || Samadhiga-
- 7 ta-paṇcha-mahā-su(śa)bda-mahāsāmantam vira-lakshmi-kāntam mēdini-mallam ripu-  
hri(hri)daya-sellan=ayyana gaṇḍha-vāraṇam vairi-samhāraṇam kumara-Nara-  
Nārasim-
- 8 ga nām-ādi-samasta-prasa(śa)sti-sahitam śrīman-mahāsāmantam **Jōyiyarasam**  
kumāra-vri(vri)ttiyim **Poṭṭiyūran**=āḷuttam-ire || Samasta-bhuvana-jana-vinuta-pada-  
payō-
- 9 ja-Paramēśvara-Hara-Dhar-āṅganā-prasād-ōtpādita-vilōḷa-bhāḷ-ēkshaṇa<sup>2</sup> kshamādhara-ēn-  
dra-rumudra-si(śi)khara-samsthāpita-śakti vyakta-bhūja-nij-ānuśṭhit-āṣṭādas(ś)-  
āśva(śva)-
- 10 mēdha vilulita-sit-ātapatra-traya-virājamāna mahim-ādy-anēka-sāmmnā(mrā)jya-rājaka-  
virājita-pavitra-kshatra **Kāḍamba**-kuḷa-bhūshaṇa
- 11 permmatti-tūryya-nirgghōshaṇam samadhigata-paṇcha-mahā-śabda-mahāmaṇḍalēśva(śva)-  
ram **Banavāsi-puravar-ēśva(śva)ram** mā[r\*]-kkoḷvara gaṇḍam **Malego**  
mārttaṇḍa[m]

<sup>1</sup> From the ink-impression.

<sup>2</sup> Apparently some word like *prasūta* is missing hereabouts.

The historical part of the genealogy begins from this Tāta-Pinnama and is as follows:—



The doings of each of these kings are given in the document in some detail. Sōmidēva is represented as having taken seven forts from his enemies in a single day (v. 7). Pinnama is described as the lord of Āravīṭi, and his son is reported to have established Śāluva Nrisimha firmly on the throne (v. 8). His son Rāma-Rāja was a staunch devotee of Viṣṇu, and through His grace he got over the effects of poison administered to him by his *jñātis* in the fort of Kandanavōlu *durgam*, which he had just then taken after defeating Sapāda at the head of an army consisting of 70,000 horses and taking from him the Avanigiri *durgam*,<sup>1</sup> driving off with him Kāsapp-Uḍaya (vv. 11 and 12).

Rāma-Rāja, the son of Śrīraṅga-Rāja, ruled the country justly, after destroying the enemies of the world (the Musalmans), and was a veritable *kalpaka-vriksha* in his munificence. Of the three sons of Śrīraṅga-Rāja, the middle one, Tirumala-Mahārāja, having routed his enemies in battles, was anointed to the throne and like Viṣṇu, the middle member of the Hindu Trinity,<sup>2</sup> protected the kingdom. This king performed again and again all the *mahādānas* such as the *varṇa-tulā-purusha* and the *upadānas* in such holy places as Kāñchi, Śrīraṅgam, etc., and in all important places of pilgrimage and holy *tīrthas* (vv. 20 and 27). His son Śrīraṅga-Rāja, being stationed in Uddagiri, conquered the forts of Koṇḍaviṭu, Vinikoṇḍapura, etc., and began to reign in Penugonḍa. He had emblems, such as the *makara*, as signs of royalty. The great gifts which this king made on the occasion of his coronation permanently removed poverty from poor people (vv. 29 and 30). After him succeeded to the throne his brother Venkaṭapati-dēva Mahārāja, also born to the same mother, Veṅgaḷāmbā. Just

<sup>1</sup> [ This should be the *Ādavani giri-durga*; see above, p. 244. — F. W. T.]

<sup>2</sup> Being the middle one among the sons of Śrīraṅga-Rāja, he is compared to Viṣṇu among the Hindu Trinity.

- 12 satya-nity-ōdayam śauch-Āmjanōyam gondaḷa-Chaturmmukham samara-mukha-  
Shanmukham kanduka-Sahasrabāhu . saṅgrāma-Rāhu para-garuḷi-Parasu(śu)-  
Rāmam biruda-ka-
- 13 \* \* Bhīman=aras-amka biruda-baṅgāram=**Mērugan=amkakāra** sāhas-ōttuṅga  
**Harigana siṅga** nām-ādi-samasta-prasa(śa)sti-sahita[m] śrīman-mahāmaṇḍa-
- 14 lōśva(śva)raṁ **Tōyima-dēvar-Vvanavāsi-paṁnirchchāsiramuma[m\*]** **Pānuṁgall=**  
**aynūruvam** sukha-saṁkatā(thā)-vinōdadin=āld=arasu-geyyuttam-ire || Kaṇḍa |
- 15 Ā nāḍol=akhila-ghaṭik[ā\*]-sthānav=id=enisittu **Pōṭṭiyūr=adaṇal** sallina-mati **Māran=**  
uchita-vachō-nidhi gāvunḍa-sāmyadol sukhav=irḷda(lḍa) || [1\*] Vri(vri)tta ||  
Kuḍuva-
- 16 r=vvēḍidol=arthig=arthi(rittha)-chayamam śrīmaṁtar=umt=ēnumam kuḍar=I  
lōkadol=ond=upūrvav=enisul=kāl=illadar=vvēḍi bandaḍe kālām nija-śaktiyim  
palargge(rge) goṭṭam **Māra-Gāvunḍa-**
- 17 n=endade tat-sat[t\*]vada tat[t\*]vad=umṇatiyan=amit=im̐t=um̐t=[e\*]nal=bērkuvō<sup>1</sup> ||  
[2\*] Guṇadolam=aḷavinoḷam Manuḡ=eney=ene peḷavaṅge kālān=ittudaṇim  
**dakshiṇa-Sōmanāḍha(tha)n=eno** dhāriṇi-
- 18 talam negaḷdan=alte **Māran=udāram** || [3\*] Im̐tu par-ārtthavum puruṣh-  
ārtthamum berasu **Gōḍuvara Māra-Gāvunḍam** gāvunḍu-geyyutt-ire || tat-  
tanūbhavam || Jalaṇidhiyo-
- 19 l=udupan=uday-āchaladol=inam puṭṭuv=ante vol **Gōḍuva-sat-kuḷadol=udi(da)yisi**  
su-putraḷ(m) kuḷad=id[u\*]k[c\*]y=enisi **Kēsi** jasamam paḍedam || [4\*]  
Samasta-lō-
- 20 ka-stūyamān-āṇḍka-guṇa-gaṇ-ādhāram para-nāri-dōram haya-Vatsa-rājam gaṇikā-  
Maṇḍjam Mārana chakrana nyāya-chakram sthiti-sāra-samudram kadan-aika-  
Rudram ē-
- 21 kāṅga-vīram Vir-āvatāram chalake bal-gaṇḍam vāiri-bhōruṁḍam para-bala-  
Pārtham naḍu-nāḍa tirttham dāna-chim̐tāmaṇi vibudha-rakshāmaṇi Sōmēśvara-  
dāsi vinaya-viḷāsi
- 22 vāiri-Nārāyaṇam nām-ādi-samasta-prasa(śa)sti-sahitam śrīmach-**Chāḷukya-Gaṅga-**  
**Verm̐māḍi Kēsa(śa)va-Gāvunḍam** nāl-prabhutvadiṁ **Pōṭṭiyūrg[ḡ]e** gāvunḍu-  
geyyuttav-iḷdu ||
- 23 Vri(vri)tta || Paḍedam **Kādamba-vams(ś)-āgraṇi-Hariga-mahi(hi)pālanoḷ**  
chāmar-augham guḍi chaukam bhōri saṁkam baruhi-baḷaḷa-pim̐chhātavam<sup>2</sup>  
vāraṇam beḷ-godey=emb=I rājya-chi-
- 24 hna-brajanam=udita-tivra-prabhā-bhāsi tān=endade hu(hō) bāpp=appud=im̐t=I  
bhuvana-bhavanadol **Kēsi-tējō-viḷāsam** || [5\*] Magan=enag=Itane **Chāḷukya-**  
**Gaṅga-Verm̐māḍiy=endu**
- 25 pesar-ggo(go)ṭṭam **Kēsige** mechchi nachchi **Chāḷukya-Gaṅga-Verm̐māḍi-**  
nri(nri)paṁ<sup>3</sup> || [6\*] Param-ōtsāhadin=ittan=uttama-sita-chchhatr-āspadam hēma-  
chāmara-yugmam guḍi vira-bhōri si(śi)-
- 26 khi-pim̐cha(chha)-[ch\*]chhatram=em̐d=int[u\*] **Gaṅgara Chāḷukyara** rājya-chihna-  
chayamam śrī-Vikramāditya-bhūḍharan=emb=unnati **Kēsirāja-vibhuvim̐g-akku[m]**  
peṇaṅg=ak[k\*]uv=ēim || [7\*] Vri(vri)tta |
- 27 Udaka-svarṇa-chay-āmuna-dāna-guṇadiṁ gō-dānadiṁ bhūmi-dānadin=uksha-braja-  
dānadiṁ vividha-vidyā-dānadiṁ nitya-dānadin=udyat-tiḷa-dānadi[m] nikhila-

<sup>1</sup> For *bēḷkumē*? [or *barkumē*.—H. H. S.].<sup>2</sup> The *va* is not clear. Read *pim̐chh-ātap-āqāranam*.<sup>3</sup> This verse is two feet short in the last *pāda*. [Perhaps the syllables *Vikra-māditya* are omitted before the word *nripam*.—H. K. S.]

as Rāma was anointed by Vasishṭha, his family priest, Venkaṭapati-dēvarāya's coronation was performed by the learned Tātayārya, his *guru*. Having conquered the Yavanas, he ruled the earth. He defeated Mahamanda Śāhu, the son of Malikibharāma, in battle, and during the continuance of the war the latter used to return home day by day after losing his elephants, horses, weapons and umbrella. Venkaṭapati-dēva-Mahārāya was extolled by the kings of the Kāmbhōja, Bhōja, Kāliṅga, Karahāṭa and other countries, waiting at the entrance of his palace. He bore the *birudas*, *Chaurāṣi-durg-aika-vibhāla-varya*, *Hosabirudara-gaṇḍa*, *Rāya-rāhutta-miṇḍa*, *Avahāṭu-rāya-māna-mardin*, *Biruda-manniyara-gaṇḍa*, *Utkal-ēndra-jaya-panḍita-vira*, *Manniyānsāmūl*, *Gaṇḍara-gūli*, *Manya-puli*, *Maṇḍalika-dharanī-varāha*, *Vēṅga-tribhuvanī-malla*, *Urigōla-suratrāṇa*, *Raṇamukha-Rāmabhadra*, *Maṇḍalika-gaṇḍa*, *Āraṭṭa-Magadha-mānya-pada*, *Chālikka-chakravartin*, *Ebiruda-rāya-rāhuta-vēśy-aika-bhujāṅga*, *Kalyāṇa-pur-ādhipa*, *Oḍḍiya-rāya-diśāpatta*, *Bhāshege-tuppuva-rāyara-gaṇḍa* and *Maru-rāyara-gaṇḍa*.

Having obtained the throne of the Karnāṭa kingdom by the prowess of his arms, and defeating his enemies, Venkaṭapati-dēva-Rāya ruled the earth from the Himālayas to Sētu (Rāmōśvaram).

The genealogy as given in this grant agrees as far as Tirumala-Rāya with those given in the Konḍyāta, the Kaḷlakurṣi, the Kūṇiyūr and the Viḷappākkam grants and entirely with that found in the Daḷavāy-Agrahāram Plates of this king. This grant, like the last mentioned, omits the names of Rāma III and Raghunātha among the sons of Tirumala-Rāya and gives only those of Śrīraṅga-Rāya (Raṅga II) and Venkaṭapati I.

The historical importance of the events narrated in relation to the individual kings, the ancestors of Venkaṭapati I, as also about Tātayārya, his family priest, has been discussed already in my article on the Daḷavāy-Agrahāram Plates of Venkaṭapati-dēva-Mahārāya (*Ep. Ind.*, Vol. XII, pp. 159-187), and therefore need not be repeated here.

The present grant is dated the Śaka Samvat 1520, computed by the moon (*indu*), the arrows (*kaḷamba*), the eyes (*nētra*) and the sky (*vyōma*), which corresponded with the cyclic year Vilambin. On the dvādaśī tithi of the bright half of the month Śrāvaṇa the king Vira Venkaṭapati-Mahārāya granted as an *agrahāra* to a large number of Brāhmanas the village of Vellaṅgolli together with Kaiyattāṅkurichchi, Uppu-vāṇiyaṇ-puttūr and Manamaṅgalam in Perumpattu,—all clubbed together under the name of Virabhūpa-samudram, at the request of prince Kṛishṇa-Bhūpati of Madura. The villages granted were in the Muḷli-naḍu, which formed part of the sub-division Aṅjarākkarē of the Tiruvaḍi-dēśa. Their boundaries are stated in vv. 56-66.

The prince Kṛishṇa-Bhūpati, at whose request the grant was made, was the then Nāyaka of Madura. His pedigree is traced thus:—In the Kaśyapa gōtra was born Nāga, a devotee of the god Viśvēśvara (evidently of Kāśī or Bānārasi). His son was Viśvanātha. This prince conquered the Tiruvaḍi, the great Pāṇḍya, the Vanādarāya and other kings in pitched battles and took from them their kingdoms solely by the prowess of his arms and became the lord of the Madhurā country. Kṛishṇa, the lord of the south, possessed of valour, justice, intelligence and courage, was born to Viśvanātha. The queen of Kṛishṇa was Lakshmyambikā. To these was born Vira-Bhūpati, of charming manners. This last mentioned prince constructed a *maṇḍapa*, containing several beautifully sculptured pillars, in front of the shrine of the god Saundara-nāyaka (that is, Sundarēśvara of the famous Śiva temple at Madura) and presented to the goddess Minākshi a golden covering (*kavucha*) set with gems. He is described as having performed the gifts called *hēma-dēva*, *hēma-garbha*, *tulā-pūruṣa* (weighing against gold and precious stones), *viśva-chakra*, *brahm-āṇḍa*, *gō-sahasra*, elephant chariot and *kāma-dhēnu* made of gold, *sapt-āmbhōdhi*, horse chariot made of gold, *mahābhūta-ghuṭa*, *svaṇa-kṣmā* and *ratna-dhēnu*. Tirumalambikā was the wife of Vira-Bhūpati. To them was born Kṛishṇa-Mahipati. This prince, who was well read in all sorts of



- 28 kanyā-dānadim tushṭi-māḍidan=utukri(kṛi)shṭa-janakke **Kēsa(śa)van**=id=ōm sad(ch)-chitta-sampannanō || [8\*] Praṇat-ābhishṭa-pa(pha)la-pradātanan=aghu(gha)-pradhvaṁsiyam bhōgi-bhūshaṇa-
- 29 nam Sa(śa)ṁkaranam pratishṭi(shṭhi)si mahā-sāvāsaman puṇya-pūraṇaman pūjitaman śilā-rachitaman rārājīt-ottuṅga-tōraṇavan māḍisi **Kēsi** bhāsura-yaśa[ś\*]-śrī-kānte(ṇti)-
- 30 yam tālḍidam || [9\*] Intu **Poṭṭiyūra** Permmāḍi **Kēsi** Gāvunḍanum mūvadiṁbarum sukhadin=ire || Svasti **Sa(śa)ka-nri(nṛi)pa-kāl-ātita-samvatsara-sa(śa)taṁga[ṭ\*]** 988neya **Parābhava-samvatsa-**
- 31 rada **Paushya-su(śu)ddha** puṇṇavey=**Ādityavāram** **Hasta-nakshatram**=uttarāyana-saṁkrāntiyum vyatīpātadamdu mahāsāmanta **Jōyiyarasarum** mahāmaṇḍalō-sva(śva)ram **Tōyima-dēva-**
- 32 num **Mailala-dēviyaruv**=iḷdu **Poṭṭiyūra** Permmāḍi **Kēsi** Gāvunḍana māḍisida keṇey=ēriya mēgaṇa **Kēsavēsvara<sup>1</sup>-dēvargge** biṭṭa dharmmav=ent=emdaḍe dēgulada sote-suṇṇakkam pu(pū)j[ā]-
- 33 rigam<sup>2</sup> dēvargge gaṁdhakkam dhūpakkam dīpakkam nivēdyakkam paṇekāra[r\*]ggam pātrakkam vaṁsigargga[m\*] | **Kōvageṇeyim** paḍuval eleya kāvaṇadim baḍagal | nālku mattar=kkeyyumam **Poṭṭiyū-**
- 34 ra mēl-ālkeya poḷe-vogeya manege paṇavum pāguda teṇeyumam manneya sāmnyada mane-vaṇa-vi(ṇchi)na-teṇeyumam śrī-Kēsa(śa)vēsvara-dēva[r\*]ggo dēva-pūj-ānanta-
- 35 ram pada-baradoḷ dhārā-pūrvvakadin=ā-cha[m]dr-ārka-tāram haram biṭṭar || **Tōyima-dēvar=abbogaḷ** śrīmad-**Akkā-dēviyaru** tapō-niyama-japa-samādhi-śīla-samṇpa-
- 36 nneyar=appa tapaśvi(svi) **Gaṁgikabb[e\*]gaḷa** kālam karchchi dhārā-pūrvvakadin maṭhada vidyā-dānakke tava(ma)go naḍeva aṁdi<sup>3</sup>-garchcha kāṇikeyav=eraḍu gadyāṇada teṇeyam tat-kā-
- 37 ladoḷ biṭṭaru || **I** maṭham \* \* [ta]pōdhana-sthānav=**I** dharmmamam gāvunḍanum mūvadiṁbaruv=eleya bojaṁgar nūṇa-nālvarum ugura-mūnūrvvarum tambuli-
- 38 ga-sāsirvvarum mūḡum nāḍa suṁkigaruv=int=inibarum dātārar=āgi pratipālisuvar || **I** dharmmavam kāda mahā-purushaṁge Vāraṇ[ā\*]siyoḷ sāsira kavileya
- 39 kō[ḍuma]m koḷagumam paṁcha-ratnaṁgalim kaṭṭisi chatur-vvēda-pāragarggo ubhayamukhi-goṭṭa phalav=akum Idan=aḷid-ātāṁgo Vāraṇāsiyoḷ sāsira ka-
- 40 [vilo]yum sāsirvvar brāhmaṇarumam konda mahā-pātakav=aku[m] || **Sāmānyō**=yam dharmma-sētur=nri(nṛi)pāṇām<sup>4</sup> kālō kālō pālanīyō bhavadbhi[h\*] [[\*] sa-
- 41 rrvān=ētāṁn bhāginaḷ=pārthivēndrā[n\*] bhūyō bhūyō yāchatō Rāmabhadra[h\*] || [10\*] Sva-datt[ā\*]m para-datt[ā\*]m vā yō harōti(ta) vasumndharā[m\*] [[\*] shashṭir=vvarsha-sahasrāṇi viṣṭā(shṭhā)yām
- 42 jāyatō kri(kṛi)mih || [11\*] Svarū dātum sumahat=sakyaṁ<sup>5</sup> klēśam=anyatra(sya) pālanam [\*] dānam vā pālanam v=ēti dānā[ch\*]=chhrōyō=nupālānā(nam) || [12\*]

<sup>1</sup> Read *Kēsavēsvara*-.  
<sup>2</sup> These two syllables have been omitted, and then added before the beginning of the line.  
<sup>3</sup> Apparently for *adi*-.  
<sup>4</sup> The engraver has written *nre*, with the vowel *i* on top of the *e*.  
<sup>5</sup> Read *sumahach=chhakyam*.

*nti-sāstras*, was daily engaged in the performance of one or other of the sixteen *mahādānas*. He presented to the god Raṅga (of the temple at Śrīraṅgam) a covering (*kavacha*), studded with gems of different kinds, a head-dress (*ushṇisha*), yellow silk garments, necklaces, *kiritaṣ* (diadems), *kundalas* (ear-ornaments) and girdles; he granted to the same deity several villages and lands, celebrated the car-festival and in various other ways served Him and obtained His grace. Again, to the lord Saundara-nāyaka (of Madura) he presented several lamp-stands (making provision to burn lights in them), made arrangements for the celebration of the *abhishēkas* (holy baths) of milk and the car-festival and presented the deity with several rich ornaments. He is said to have set up a *maṇi-stambha* before this deity. He performed the *tulā-purusha* and the *hiranya-garbha Mahādānas*, and on that occasion made valuable presents to Brāhmaṇas; allusion is made to the *Mahādānas*, *kalpaka-vriksha*, *samudra* (*sapt-āmbhōdhi*) and *kāma-dhēnu*. Prince Kṛishṇa-Mahipati granted enough money to the Brāhmaṇas of other kingdoms to redeem their lands, which they lost to their kings owing to their inability to pay the taxes thereon. By this statement we are to understand that the government of other kings was so oppressive even in the case of Brāhmaṇas, and consequently much more so in the case of other castes, that the former had, on account of their inability to make good the heavy taxes imposed upon their lands, to abandon them; whereas the government of Kṛishṇa-Mahipati was so good as to attract Brāhmaṇas even from other countries to seek the benefit of his munificence. The statement is not a mere boast, as will be seen from the list of villages from which came the Brāhmaṇa donees of this grant; I shall revert to this matter later on. Kṛishṇa-Mahipati is further stated to have been praised by the Pāṇḍya, Chēra and Chōḷa kings. He was styled "the lord of the southern ocean." Lastly, he is reported to have wrested from the Pāñcha-Tiruvaḍi<sup>1</sup> their kingdom. The genealogy of the *Nāyakas* of Madura, as obtained from this record, may be represented conveniently thus :—

Nāgama-Nāyaka of the Kāśyapa *gōtra*.

Viśvanātha Nāyaka.

[Conquered the Tiruvaḍi, the great Pāṇḍya and the Vāṇḍarāya and other kings, and became the lord of Madhurā.]

Kṛishṇa-Bhūpati I

m. Lakshmyambikā.

Virā-Bhūpati.

[Constructed a *maṇḍapa* in front of the shrine of Saundara-nāyaka, and presented Minākshi with a jewelled *kavacha* and performed several *mahādānas*. m. Tirumalāmbikā.]

Kṛishṇa-Mahipati II.

[Presented the god Raṅganātha with costly ornaments, clothes, villages, gardens, etc., performed *mahādānas* and made gifts to the god Saundara-nāyaka for *abhishēkas*, lights, *rath-ōtsava*, etc.]

As stated above, the newly formed *agrahāra* of Virabhūpa-samudram was granted, at the request of prince Kṛishṇa-Mahipati, by Venkatapati-dēva-Mahārāya to a very large number of

<sup>1</sup> See below, p. 317, foot-note 5.

- 43 Sphu[rita]-vachō-vibhāsi-chaḍu(ṭu)-vāni(ni)ya<sup>1</sup> sat-kavi **Rajavallabham** virachi-  
 sidam vivēka-nidhi paṭṭal[ ~ — ~ ~ — ~ — ]ūgiyim baredan=  
 ida[m\*] savistarisi tirdida
- 44 vāk-pati **Cha[m]dra-bhaṭṭarum** gurum(ru) **Baḍa(ḷa)bhadra-dēvaruv=id=ēm**  
 trijagad-guruv=āyto sū(sā)sanam || [13\*] **Dāsōjam** besa-geydam maṇḡaḷa ||  
 (e.)

## TRANSLATION.

(Lines 1-3.) When the victorious reign of—hail!—the asylum of the whole world, favourite of Fortune and Earth, great Emperor, supreme Lord, supreme Master, ornament of **Satyāśraya's** race, embellishment of the **Chālukyas**, king **Trailōkyamalla-Āhavamalla**, was advancing in a course of successively increasing prosperity, (*to endure*) as long as moon, sun, and stars :—

(Lines 3-6.) While one who finds sustenance at his lotus-feet, the **Mahā-Maṇḍalēśvara** who has obtained the five great musical sounds, possessing all titles of honour such as “a **Mahēśvara** in the fray, a lion in valour, a **Bhairava** on the stage of battle, a wishing-gem to servants, a head-jewel of men of valour, a **Rādhēya** [**Karṇa**] in truthfulness, an **Āñjanēya** in purity, delightful to the world, mighty in boldness, an armour to his lord, giving bounty<sup>2</sup> to sages, a submarine fire to the ocean of the **Chōḷa's** host, a flame of doom to **Bhōja**, a teacher of both forces,<sup>3</sup> having the firmness of **Mandara**, the tiger of king **Āhavamalla**,” the **Mahā-Maṇḍalēśvara Jēmarasa**, was ruling over many towns,—beginning with **Poṭṭiyūr**, **Elavatti**, **Niṭṭasiṅgi**, and **Haṇḍiyūr**,—and *kuttumbitti*, as a love-fief<sup>4</sup> :—

(Lines 6-8.) While his son, the **Mahāsāmanta** who has obtained the five great musical sounds, bearing all titles such as “beloved of warriors’ Fortune, wrestler of earth, shaft in foemen’s hearts, his father’s rutting elephant, causing destruction of enemies, a **Nāraṅga** [**Vishṇu-Krishṇa**] to princely **Naras**,” the **Mahāsāmanta Jōyiyarasa**, was ruling **Poṭṭiyūr** as a prince’s fief :—

(Lines 8-14.) While he who is an ornament of the **Kādamba** race [which is descended] from the hero of the bright frontal eye [**Trilōchana Kādamba**] who sprang from the grace of the supreme Lord **Hara**, whose lotus-feet are praised by the peoples of all the world, and of the lady **Earth**; which (*race*) has established its might on the massive peaks of the **King of Mountains**<sup>5</sup>; which (*race*) has performed eighteen horse-sacrifices by the manifest quality of its arms; which is resplendent with three fluttering white parasols; which has its pure chivalry illuminated by many royal attributes of empire such as dignity, etc.—he who is (*saluted*) with the noise of *permaṭṭi* drums and (*other*) musical instruments, the **Mahā-Maṇḍalēśvara** who has obtained the five great musical sounds, **lord of Banavāsi** best of cities, bearing all titles of honour such as “man of might to adversaries, sun to the **Highlands**, ever active in truth, **Āñjanēya** in purity, **Brahman** in assemblies, **Shanmukha** in the front of battle, **Thousand-armed** [**Kārtavīrya**] with balls,<sup>6</sup> **Rāhu** in the fray, **Paraśu-Rāma** to the resorts of foes, . . . of titles, bearing the royal stamp (?) of a **Bhīma**, *baṇḡāra* of title-bearers, **warrior to Mēruḡa**, exalted in high spirit, **lion of Hariga**,” the **Mahā-Maṇḍalēśvara Tōyima-dēva**, was reigning in the

<sup>1</sup> This reading is rather uncertain.

<sup>2</sup> See above, Vol. XIV, p. 189.

<sup>3</sup> Infantry and mounted troops? [The two opposing troops.—H. K. S.]

<sup>4</sup> I understand this as more or less equivalent to the term *prīti-goḍagi* in *Ep. Carn.*, XII. (Tumkūr), Ck. 2; see Kittel, p. 1706, s.v. *aṇṇu*.

<sup>5</sup> See above, Vol. XIII, p. 173, and ref.

<sup>6</sup> This seems to mean that he tosses about his enemies’ heads like balls in such numbers that he appears to have a thousand arms.

Brāhmanas and, curiously enough, to some Brāhmaṇa ladies also; it is a very rare thing to meet with the allotment of shares to women in the *agrahāras* which are conferred on Brāhmanas. It is stated that the *agrahāra* was divided into two hundred and sixty-one *ṛittis* and that each *ṛitti* was further divided into five *aṁśas*, thus making a total of 1,305 *aṁśas*, and the gift to each donee is made in terms of the *aṁśas*. We learn that each *ṛitti* was sufficient to meet the needs of five persons; it appears that the shares were granted, perhaps, proportionate to the number of members in the family of a donee. In the existing plates of the set a total of one hundred and eighty-two *ṛittis* and one *aṁśa* are accounted for, and the plates seven, thirteen and fourteen, which are lost, should have contained an account of the distribution of the remaining seventy-eight *ṛittis* and four *aṁśas*. The list of the donees, with the names of their fathers, their native villages, their *sākhās* and *gōtras* and the number of *aṁśas* they received, is given in the "abstract of contents" at the end.

From that list it would seem that most of the donees were residents of the Telugu country and had either already migrated into the Tamil country or had come down south at the invitation of the donor. Anyhow the record is of more than ordinary importance in that it accounts, like a few others,<sup>1</sup> for the existence of a large number of Telugu Brāhmaṇa families in the Tinnevely District. Themselves Telugus by birth and possessing strong liking for the men of their own country, speaking their own language, the *Nāyakas* of Madura would have imported large colonies of Telugu Brāhmanas from the north and settled them down in Madura and Tinnevely Districts. At present there are numbers of Telugu Brāhmaṇa families in several villages in the Tinnevely District, as, for instance, Tenkāṣi, Śermādēvi, Pāvūr, Vellaṅguḍi, Pēṭṭai, Nālāṭṭinpuṭṭūr, Kōyilpāṭṭi, Tirunelvēli and Elavēlaṅgāl and in many villages in the Madura District. A parallel to this tendency to import their own countrymen, speaking their own tongue, is to be found in the Marāṭhā Rājas of Tanjore, who planted a considerable colony of Marāṭhā and Gurjara Brāhmanas in the Tanjore kingdom, some of which families are now found scattered over the whole of the Madras Presidency, having at one time occupied the highest positions both in the British Government and in the Native States.

The present record is of great importance for the history of the *Nāyakas* of Madura, which is not very clearly known. The late Mr. Nelson had attempted a continuous and fairly full history of this dynasty of princes in his *Madura Manual*, from all available sources, such as Indian chronicles, traditions and manuscripts and a few inscriptions, as also the valuable records of the Jesuits of the Madura Mission. Attempts have been made quite recently by some others with the help of the same materials to reconstruct the history of this country and of this period, with, to my mind, no whit better success than that achieved by the pioneer, Mr. Nelson. All attempts at tracing Indian History merely from the sources referred to above have proved incomplete, if not always incorrect. It must be constructed mainly on the strength of inscriptions, supplemented largely from literary and other sources, wherever the latter do not militate against the statements made in inscriptions. Some amount of new information regarding the *Nāyakas* of Madura has been brought to light in my articles on the Kṛishṇāpuraṁ Plates of Sadāśiva-dēva-Mahārāya, the Daḷavāy-Agrahāraṁ Plates of Venkaṭapati-dēva-Mahārāya and other records. The first of these deals with the reign of Kṛishṇappa-Nāyaka I, son of Viśvanātha-Nāyaka, and the second with that of his son Vira-Bhūpati, Virappa-Nāyaka or Periya or Peda-Virappa-Nāyaka; the copper-plate grant under consideration belongs to the reign of the latter's son Kṛishṇa-Mahipati or Kṛishṇappa-Nāyaka II. Thus the three records belong to three consecutive reigns, and the last is of greater historical importance than the others. It is necessary therefore to discuss here the historical information contained in this inscription in the light of other epigraphical records.

<sup>1</sup> See Vol. I, pp. 85-88, of the *Travancore Archaeological Series*; also pp. 145-146; *ibid.*

government of the **Vanavāsi Twelve-thousand** and the **Pānuṅgal Five-hundred** with enjoyment of pleasant conversations :—

(Verse 1.) This **Poṭṭiyūr** is a general *ghaṭikā-sluṇa*<sup>1</sup> in the county ; in it **Māra**, composed of mind, a treasure of becoming speech, has dwelt happily in the office of **Gāvuṇḍa**.

(Verse 2.) The wealthy, when entreated, may give abundant substance to the needy, (*but*) they do not give in this wise anything unique and unprecedented in this world ; whereas, when footless men came with entreaties, **Māra Gāvuṇḍa** by his own power gave feet to many. Hence is it needful to tell in this and that wise the high degree of the quality of his goodness ?

(Verse 3.) As the earth spoke of him as a peer of Manu in virtue and power, as a **southern Sōmanātha**<sup>2</sup> because of his giving feet to the lame, **Māra** in truth was illustrious, a noble man.

(Line 18.) While **Gōḍuvara Māra Gāvuṇḍa**, thus combining philanthropy with worldly success, was acting as **Gāvuṇḍa** ;—his son,—

(Verse 4.) As the moon is born from the ocean, the sun from the Eastern Mountain, **Kēsi**, a worthy son arising in the goodly family of the **Gōḍuvas**, won fame as an ornament of his race.

(Lines 19-22.) While he who bears all titles of honour such as “ basis of the series of many virtues praised by all the world, remote from others’ wives, a king Vatsa with horses,<sup>3</sup> a Cupid to public women, a discus of justice to the troop of **Māra**,<sup>4</sup> an ocean of the essence of order, a unique Rudra in warfare, a warrior of the bodyguard, an incarnation of Vira [Virabhadra], a mighty man of valour in courage, a *bhēruṇḍa*<sup>5</sup> to foes, a **Pārtha** [Arjuna] to hostile armies, a site of salvation in the centre of the country, a wishing-gem of bounty, a protective gem to sages, servant of **Sōmēśvara**, brilliant in culture, a **Nārāyaṇa** to foes,” **Chālukya-Gaṅga-Vermāḍi Kēśava Gāvuṇḍa**, was acting as **Gāvuṇḍa** over **Poṭṭiyūr** in the county-shrievalty :—

(Verse 5.) He received from king **Hariga**, the head of the **Kādamba** race, many tokens of royalty, to wit, a number of yak-tail fans, a flag, a palace,<sup>6</sup> drums, conches, parasols of many peacock-feathers, and a white parasol, (*so that he became*) radiant with manifested intense lustre : for this reason, oh bravo ! thus was the brilliance of **Kēsi**’s distinction in the abode of this world.

(Verse 6.) The king **Chālukya-Gaṅga-Vermāḍi [Vikramāditya]**, pleased with **Kēsi** and loving him, said “ this man is to me a son, **Chālukya-Gaṅga-Vormāḍi**,” and gave him that name.

(Verse 7.) With supreme generosity the blest king **Vikramāditya** gave the various royal emblems of the **Gaṅgas** and **Chālukyas**, to wit, the honour of the excellent white parasol, a pair of golden yak-tail fans, a flag, warriors’ drums, a parasol of peacocks’ feathers : this distinction comes to the lord **Kēsirāja** ; does it come to any other man ?

(Verse 8.) By the merits of gifts of water and a quantity of gold and food, by gifts of kine, by gifts of land, by gifts of herds of oxen, by gifts of divers kinds of knowledge, by constant gifts, by gifts of excellent sesam, by gifts of all (*kinds of*) maidens **Kēśava** has gratified distinguished men ; truly he possesses a right mind.

<sup>1</sup> This term (cf. *Ep. Carn.*, VII. i. Sk. 94, X. i. Kl. 170, XII. Si. 23 ; *Progress Report of Asst. Supt. Epigr., Southern Circle*, 1912-13, p. 99 ; *I. A.*, Vol. XIV, pp. 19, 25 n.) is still not quite clear ; but it seems to mean the official meeting-place of learned and godly men, and thus is connected with *ghaṭige* and *ghaṭige* in the meaning of “ assembly,” on which see my note on the *Kaṭas* inscription above, Vol. XIII, p. 327 n.

<sup>2</sup> See above, inscr. B.

<sup>3</sup> See above, Vol. V, p. 236 n.

<sup>4</sup> The spirit of carnal temptation. [Māra has here a possible reference to Māra-Gāvuṇḍa, the father of Kēśava-Gāvuṇḍa. In this case the text *Mārana chakrana nyāya-chakraṁ* can be divided *Mārana chakran-nyāya-chakraṁ* and translated “ the discus of Māra-[Gāvuṇḍa] and a discus to (*destroy*) injustice.”—H. K. S.]

<sup>5</sup> A fabulous two-headed bird.

<sup>6</sup> *Chauka* is from Skt. *chatuṣhka* (Pkt. *chaṭṭhka*) ; for the sense of “ palace ” cf. *Kumāra-sambhava* V. lxviii, VII. ix.

In the Kṛishṇāpuram Plates,<sup>1</sup> Nāgama-Nāyaka<sup>2</sup> is said to have been a devotee of the god Viśvanātha and to have borne the *birudas*, *Kāñchi-pura-var-ādhiśvara*, *Mōkālīpatta-vardhana*, *Samaya-drōhara-gaṇḍa*, *Samaya-kōlāhala*, *Ailāvali-pura-var-ādhiśvara*, *Pāṇḍya-kula-sthāpan-āchārya* and *Dakṣiṇa-samuḍr-ādhiśvara* and to have taken the kingdom of Tiruvaḍi. An old Tamil work called *Tiruppaṇi-mālai*, quoted by me already in my article on the Duḷavāy-Agraharam inscription, also describes Viśvanātha and Virappa as *Kachchi-nāyakaṇ* *Viśuvanāthaṇ* and *Kachchi-vāḷ* *Kṛishna-Virappaṇ*. Evidently the Nāyakas of Madura will have been originally residents of Kāñchipura and hence must have borne the title *Kāñchi-pura-var-ādhiśvara*.

The reading of the Vellangudi inscription, where it deals with Viśvanātha-Nāyaka, is defective and therefore unintelligible. The Padmanēri grant of Venkaṭa I,<sup>3</sup> dated also Ś. 1520 gives the correct reading, which runs as follows:—

(Line 120)

आसीत्काश्य-

पसंततो घनतपस्तुष्टविश्वेश्वरस्त्रैरानुग्रहभाजनात्गुणनिधेः[\*] श्रीनाग पृथ्वीपतेः ।  
 क्षोराब्धेरिव चंद्रमाः कुबलयानंदानुसंहायकः सौम्यः[\*] श्रीवरविश्वनाथनृपतिस्सर्वज्ञचूडामणिः ।  
 प्रख्यातश्रोस्त्रिरुवडिमहापाण्ड्यवाणादरायप्राश्रयानन्यानपि रणमुखे पार्थिवानाथ  
 जित्वा । तत्तत्सीमां निजभुजबलादाहरन् विश्वनाथक्षीणोपालोभजत मधुराराज्य-  
 साम्राज्यलक्ष्मीं ।

From this passage we learn that Viśvanātha, after having conquered in battles the Tiruvaḍi, the Mahā-Pāṇḍya, the Vāṇāda-Rāya and other kings, and having taken possession of their kingdoms by the true prowess of his arms, became the lord of the Madhurā-rājya and was ruling. What were the circumstances under which Viśvanātha conquered the kings named above and who the Vāṇāda-Rāyas were and how they happened to be in the south are questions which require a clear answer. Let us now try to explain briefly the points raised above. *Tiruvaḍi* is the name applied in inscriptions, as well as in literature, to the king of Travancore. The Tiruvaḍi of the time of Achyuta-dēva-Rāya needed chastisement, since he had harboured the enemies of the Vijayanagara emperor and had refused to acknowledge his suzerainty. Achyuta-dēva-Rāya himself led the expedition as far as Śrīraṅgam, but at his own request Salaka-Tirumala-Rāya, the king's brother-in-law, was put in command of the army to subdue the Tiruvaḍi. Salaka-Tirumala-Rāya defeated the Tiruvaḍi and his confederates on the bank of the Tāmraparṇi and made him surrender all the territories usurped by him from the Pāṇḍya. Nāgama-Nāyaka evidently held then the military command over the Tondai maṇḍalam and lived in Conjeevaram, and would therefore, on account of his familiarity with the people and their languages, have been taken by the king with him as one of the Vijayanagara generals in his expedition against the Tiruvaḍi. The Pāṇḍya king Śrīvallabha, who applied to the emperor for help, must have been put in possession of his lost kingdom after the defeat of the Tiruvaḍi; and in remembrance of this event Achyuta-dēva-Rāya, Śrīvallabha Pāṇḍya and Nāgama-Nāyaka severally called themselves *Pāṇḍya-rājya-sthāpan-āchāryas*.<sup>4</sup> The Tiruvaḍi king then ruling must, according to the inscriptions in my collection, have been Bhātalavīra Udayamārttāṇḍa-varman of the Tiruppāpūr branch.

It is doubtful whether Viśvanātha also formed one of the party which proceeded against the Tiruvaḍi at the time of Achyuta-dēva-Rāya. It looks more than certain that Viśvanātha distinguished himself in the southern regions on a subsequent occasion and not during the reign of Achyuta-dēva-Rāya. No. 140 of the Madras Epigraphist's Collection for 1895 states that the

<sup>1</sup> Above, Vol. IX, p. 330.

<sup>2</sup> He is called Chimma-Nāgēndra in No. 9, C. P., of the Madras Epigraphist's Collection for 1906.

<sup>3</sup> Above, pp. 287 ff.

<sup>4</sup> See pp. 54-56, *Travancore Archaeological Series*, Vol. I.

(Verse 9.) Having consecrated Śaṅkara, the giver of fruits desired by his worshippers, the annihilator of guilt, the wearer of ornaments consisting of snakes, (and) having constructed a great abode perfect in holiness, worshipful, built of stone, and made with brilliant lofty archways, Kēsi has enjoyed the beauty of the goddess of radiant glory.

(Lines 30-35.) Thus **Permāḍi Kēsi Gāvunḍa** of **Poṭṭiyūr** and the Thirty being in happy estate,—hail!—on **Sunday, the full-moon day of the bright fortnight of Pausya** in the cyclic year **Parābhava**, the 988th (year) of the centuries lapsed since the time of the Śaka king, under the constellation **Hastā** at the *uttarāyana-saṁkrānti*, in the *vyatīpātā*,<sup>1</sup> the **Mahā-sāmanta Jōyiyarasa** and the **Mahāmaṇḍalēśvara Tōyima-dēva** and **Mailala-dēvi** jointly granted a religious foundation to (the temple of) the god **Kēśavēśvara** above the bank of the tank constructed by **Permāḍi Kēsi Gāvunḍa** of **Poṭṭiyūr**, as follows :—for plastering of the temple, for an officiant priest, for the god's scents, incense, lamps, and oblations, for drummers, a dancing-woman, and flute-players, they granted in the *pada-bara* with pouring of water to the god **Kēśavēśvara** after worshipping the god a field of four *mattar* west of **Kōvagero**, north of the betel-sheds, and the tax of a *paṇa* and a quarter on the . . . house belonging to the magistracy of **Poṭṭiyūr**, and the petty (?) tax on houses under seigniorial authority, for as long as moon, sun, and stars.

(Lines 35-38.) **Akkā-dēvi**, the mother of **Tōyima-dēva**, having laved the feet of the ascetic lady **Gāṅgikabbe**, who practises austerities, minor disciplines, prayer, and absorption, at the same time granted with pouring of water for the dispensation of teaching at the monastery the tax of two *gadyāṇa*, the fee for washing the feet, which (*hitherto*) had accrued to her. This monastery . . . establishment of ascetics, this pious foundation the **Gāvunḍa**, the Thirty, the hundred and four *Bojaṅgas* of the betel-gardens, the three-hundred *Uḡaras*,<sup>2</sup> the thousand sellers of prepared betel, and the three controllers of the taxes of the county shall protect as donors.

(Lines 38-40 : a prose formula of the usual type.)

(Verses 10-12 : three common Sanskrit verses.)

(Verse 13.) **Rājavallabha**, a good poet of clever speech brilliant with bright words, a treasure of discretion, composed . . . wrote it; it was **Chandra Bhaṭṭa**, lord of language, and the Master **Baḷabhadra-dēva** who amplified and corrected it. Truly this edict has become a teacher to the three worlds.

(Line 44.) **Dāsōja** executed the order. Happiness !

## No. 12.—THE JAMBUKESVARAM GRANT OF VIJAYARANGA CHOKKANATHA NAYAKA : SAKA 1630.

By S. V. VISWANATHA, M.A., TRICHINOPOLY.

This inscription is on a single copper-plate bored at the top. It was kindly given for examination by the Śaṅkarāchārya of the Kumbhakōṣam *maṭha*. I edit the inscription from inked impressions of the plate prepared by me.

The plate has a semi-circular curvature at the top, including which it measures 10 in. in height and 6·3 in. in breadth. It is in good preservation. It contains 46 lines in all, including the signature at the bottom and *Śrī-Chaṇḍramaṇḍīśvara-svāmi* at the top of the first side. The inscription, which runs across the breadth of the plate, is legible and is in prose. The semi-circular portion of the plate at the top is worth notice. It contains an illustration which may

<sup>1</sup> A *yōga* in which the declination of the sun is equal to that of the moon.

<sup>2</sup> See above, Vol. XIII, p. 15 and n.

Vijayanagara general Viṭṭhala-dēva-Mahārāya conducted an expedition against the Tiruvaḍi in the reign of Sadāśiva-dēva-Rāya, some time before Ś. 1466 (=A.D. 1544-45), and that a Brāhmaṇa of Tiruvīdaimarudūr, named Tiruchchirāmbala-Bhaṭṭaṇ, "joined Viṭṭhala's army and continued to fight on his side from 'Anantaśayanam in the south to Mudugal in the north.'" Viśvanātha must have been one of the military officers who accompanied Viṭṭhala; for, No. 17 of the Madras Epigraphist's Collection for 1912 distinctly affirms that Viśvanātha obtained from Rāmarājarayya (i.e. Aḷiya Rāmarāja), the powerful minister of Sadāśiva, the Tiruvaḍi-dēśa as *amara-nāyakam*, and his son Kṛishṇappa-Nāyaka granted seven villages in this province to the god of the Kṛishṇapuram temple, which he had newly built. Trouble cropped up evidently once again in the Tiruvaḍi *rājyam* during the reign of Sadāśiva-dēva-Rāya, and a punitive expedition against the king of that country was necessary, and it was accordingly despatched under Viṭṭhala. From one of the inscriptions in my collection we find that in the Kollam year 722 (=A.D. 1547), Bhūtalavira Rāmavarman, of the Jayatuṅga *nāḍu* branch, who calls himself the *vēḷaikkāraṇ* of (the god ?) Śaṅkaranārāyaṇamūrti (probably of Nāvāykkūḷam, near Aṭṭiṅgal), made arrangements for the (monthly ?) celebration, in the Viṣṇu shrine at Śuchindram, of the day of Rōhiṇi, the natal star of Viṭṭhalēśvara-Mahārāyar. The Tiruvaḍi must have lost a large portion of his territory on this occasion, and what was taken away from him appears to have been bestowed upon Viśvanātha as an *amara-nāyakam*. The Tiruvaḍi was ruling, very probably, over what remained, as a vassal of the Vijayanagara king.

The kingdom of the Pāṇḍya king was situated on the way to the Tiruvaḍi *rājyam*, and had necessarily to be passed through. If the Pāṇḍya, as stated in the document, had also to lose his kingdom, it must surely be that he had offered resistance to the passage of the Vijayanagara army through his territories or offended Viṭṭhala in some other way. Anyhow the Pāṇḍya does not appear to have been deprived altogether of his kingdom, but was subjugated and suffered to rule as a subordinate of the Vijayanagara Emperor.

The princes called Vāṇāda-Rāyars were the lineal descendants of the Bāṇa kings, who, in the earlier period of South Indian History, were the vassals of the Pallavas and ruled over the North Arcot District and portions of the Mysore Province; their kingdom was known as Bāṇappāḍi or Perumbāṇappāḍi. When the Pallavas were subverted by the Chōlas, they became subordinates of the Chōlas, and the Vāṇāda-Rāyars continued faithful to the latter till the reign of Kulōttuṅga III. Rājarāja Vāṇakōvaraiyaṇ, *alias* Poṇṇarappiṇṇaṇ Magadaipperi-māl, one of the vassals of Kulōttuṅga III, rebelled against his suzerain and entered into political compacts with some southern petty princes. He drifted on to the south and appears eventually to have joined the Pāṇḍyas, who were then growing in power and were soon to subvert the Chōla supremacy during the reign of Rājarāja III and his son Rājendra-Chōla III. The Vāṇāda-Rāyars continued to be friends and subordinates of the Pāṇḍyas till the Musalman invasion of Madura under Malik Kafūr. When the Pāṇḍya king was taken prisoner and carried away by the Muhammadans, the Vāṇāda-Rāyars took service under the Vijayanagara kings and ruled over the Madura country. They were Vaishṇavas in religion, and they gave donations, as may be seen from their inscriptions, to the Viṣṇu temples at Aḷagarkōyil, Tiruppullaṇi and Śrīvilliputtūr. Viśvanātha-Nāyaka had evidently ousted the Vāṇāda-Rāyars from Madura and made it the capital of a kingdom which he formed from the districts of Madura and Tinnevely and portions of the Travancore State.

In fact, Viśvanātha was the founder of the Nāyaka dynasty at Madura, and that in the reign of Sadāśiva-dēva-Rāya. It is difficult to say how far credence can be given to the tradition that Viśvanātha fought against Nāgama-Nāyaka, his own father, to regain for the Emperor of Vijayanagara the Madura country said to have been usurped by him. Unless it be presumed that he joined in a confederacy with the Vāṇāda-Rāyar, the Pāṇḍya and the Tiruvaḍi and asserted independence, the tradition cannot be upheld.



be taken to convey to us the traditional history regarding the origin of the god Jambukēśvara in Trichinopoly. The illustration itself includes the figures of the sun and the moon, a tree supposed to take its root from the head of a devotee seated below with folded hands (*añjali*) in the *vīrasana* posture; a *linga* placed on a pedestal underneath the tree, an elephant with its trunk raised over the *linga*, a spider-like creature flying above the *linga* and a goddess standing on the right. The figures of the sun and the moon are perhaps indicative of the overlordship of the Vijayanagara house over the Nāyakas of the south, the sun and the moon being found on the seal and coins of the Vijayanagara kings.<sup>1</sup> There is a belief, as recorded in the *Sthalapurāṇa* of Jambukēśvaram, that the place was called after *Jambūka Muni*, from whose head the *jambūka* tree had its origin. The elephant and the spider, it is believed, worshipped the *linga* representing the God Jambukēśvara and attained salvation. The *linga* on the pedestal is the god of Jambukēśvaram, and the goddess represented as standing on the right side is probably Akhilāṇḍēśvari.

The language of the inscription is Telugu and Sanskrit combined. Lines 1-3, which contain the epithets of the donee, are in Sanskrit. Lines 4-35 are in Telugu, and lines 35-44 are in Sanskrit, containing the admonitory verses at the end of the plate. The characters of the inscription are Telugu.

There are a few orthographical peculiarities worth noticing. There is an unnecessary reduplication of consonants in *maṁddu* (l. 15); *naḍipimchcha*<sup>2</sup> and *ājāpimchchi*<sup>3</sup> (l. 18); *maṁgalamllō* (l. 22); *puramllō* (l. 23); *Jembbukēśvaram* (l. 28); *vāyimchchi* (l. 33) and *anubhavinchchu* (l. 34). Instances of dravidianised forms of Sanskrit words are seen in *tāmra*<sup>4</sup> for *tāmra*<sup>5</sup> (l. 21); *sāmbrājyam* instead of *sīmbrājyam* (l. 9) and *vubhaya* in the place of *ubhaya* (30-1).

The inscription records the grant of lands in certain villages in the Trichinopoly district and some lands on both sides of the Kāvēri river for the conduct of worship, offerings and charities in the Śaṅkarāchārya *maṭha* at Jambukēśvaram (Tiruvānaikāval), where even now the head of the Kumbhakōṣam *maṭha* has his residence for a portion of the year. The grant was made by Vijayaṅga Chokkanātha Nāyaka at the instance of the then presiding *guru* of the *maṭha*. The name of the latter is not explicitly given in the grant. He is styled *Lōkaguru Śrīmad Śaṅkarāchārya Svāmulaḍru*.

The objects for which the grant was made were *annadāna kaṭṭula* (endowment for gift of food) and the *naivēdya* which was to be offered to the god. For the former purpose certain lands were granted. These were situated in Mahēndramaṅgalam, Krishṇapuram, Kāraikkāḍu, Koṇḍayampēṭṭai, Maṅgamāmbapuram, Ariyūru and Āriyamaṅgalam. For the *naivēdya*, which was to include four measures (*paḍi*) of cooked rice, *dōśai*, *atirasa*, *sugiya* and *dīpam chamaru* (oil for lights),<sup>2</sup> it was ordered that certain tolls collected should also be assigned.

The grant is dated Śaka 1632, Vikriti, Kārtika, Śuddha, full moon, Monday, Rōhiṇi-nakshatra.

Vijayaṅga Chokkanātha and his line are said to belong to the *Dakṣiṇa-simhāsana*, styling themselves *Dakṣiṇa-simhāsan-ādhyakṣhāḥ* ('Lords of the southern throne'). They were viceroys in the south, acting under the kings of Vijayanagara. They were lords of the regions of the Pāṇḍyas, comprising Madura and Tinnevely districts. The circumstances under which the Nāyakas became rulers of the south are recorded thus.<sup>3</sup> In 1558 "the then Chōla ruler

<sup>1</sup> [The symbols of sun and moon are quite common in all Chalukya inscriptions also. They are not peculiarly the symbols of the Vijayanagara royalty. These in my opinion indicate the *ā-chandr-ārka-sihāyitā* of the gift conveyed by the document over which they are engraved.—H. K. S.]

<sup>2</sup> *Dīpam chamaru* is the supply of oil for lamps in addition to the offerings which were to be made to the god.

<sup>3</sup> See *Gazetteer of the Madura District*, Vol. I, p. 41.

The *Srirāṅgam-Kōyil-ōḷugu* informs us that Viśvanātha-Nāyaka made to the god Rāṅga-nātha gifts of several golden vessels, costly ornaments and lands—all to the extent of three lakhs of poṇ, at the instance of Vādhūla-kula-Dēśika Kumāra-Narasimhāchārya; and the date assigned in that work is Ś. 1420.

The *Tiruppani-mālai* states that Viśvanātha-Nāyaka presented a valuable necklace and pendant to the god Sundarēśvara of Madura and also granted to the same deity the villages of Āḍaṇūr, Tirukkāpappēr and Iḷamai-nallūr. He also covered afresh the old *Indra-vimānam* (a vehicle to place the image on and to take it in procession) with gold. This work also states that Viśvanātha defeated Tiruvaḍi in battle and compelled him to pay tribute, but saved the Pāṇḍya.<sup>1</sup>

Mr. Nelson states that Ārya Nāyaka Mudali was the minister of Viśvanātha and did much to improve the condition of the province of Madura.<sup>2</sup> He is referred to in our inscription as the Periya Nainār Mudali (l. 553); and, as believed by Nelson, he seems to have lived also in the reigns of Krishṇappa-Nāyaka I and his son Virappa. He is called Ariya Nayiṇā Mudali in the *Tiruppani-mālai*, which states that he built the *maṇḍapa* for the sixty-three Śaiva saints in the Sundarēśvara temple, a *maṇḍapa* for an *aṛachchālai* (alma-house), set up an image of Subrahmaṇya under a *vanni* tree and presented a silver throne to the god Sundarēśvara.<sup>3</sup> He conquered portions of Ceylon for his master; a stone bearing an inscription of his is preserved in the Colombo Museum. It is a significant fact that the Rājas of Kaṇḍi were also Nāyakas and were related to the Nāyakas of Madura.

The Vellaṅgolḷi grant passes over the reign of Krishṇappa-Nāyaka I without supplying any historical information. We know from the Krishṇāpuram grant that Krishṇappa constructed with beautifully sculptured *maṇḍapas*, etc., the Vishṇu temple in the village of Krishṇāpuram, and endowed it with lands and provided the necessary ornaments for the deity set up by him in the temple. Nelson thinks that Krishṇappa-Nāyaka must "have been a brave and politic ruler"; he also states, on the authority of certain manuscripts, that Krishṇappa-Nāyaka defeated the refractory *pāḷayakāra* chief Tumbichechi Nāyakaṇ and invaded Ceylon and took Kaṇḍi. The inscriptions hitherto discovered are, however, silent about the defeat of

<sup>1</sup> Śēṇjol-puṇai Madurēśar Tiruvālavāy-iṅaiyar tiru-  
vuḷa-maḡiḷḇdu-puṇaiya-ch-  
chemboṇ-padakkam-uḍaṇ-āṇav - ābharāṇamuṇ - jēṇḍa-  
parigala-māḍaruṇ-  
kaṇḷa-vayal sūḷu-kommatṭi māḍalaiyig-mōṇ kayal  
kudi-koḍ-Āḍaṇūruṇ-  
kākkal-ēriyūn-Tirukkāpāiyum pūga-vayal-kāṭṭu-  
mēlai-ppaṇambum  
maḡḡju-tavaḷ sōlai-sūḷ-Iḷamainallūraiṇum maruvum  
Indiravimāṇam  
vaḷamaiyoḍu paḷamai pudidāgavē poṇ-pūḷi maḡimai-  
yudanēy-udaviṇāṇ  
viḷḷi-varu-Tiruvaḍi taṇai-porudu tirai-koṇḍu Mi-  
ṇaṇṇai vāḷvittamāl  
mōvu-teṇ Kaḇchi-nāyakaṇ Viśuvanāḍaṇ-uyar  
veṇṇi-piratāpa muḡilē.

<sup>2</sup> Nelson's *Madura Manual*, p. 90.

<sup>3</sup> Aru-mā-davaḷi-jey-aṇubattu-mūvar maṇḍapa-  
maruv-āruṇ-jōlaiy-aṇachchālai-maṇḍapam vāṇṇiyāḍi  
Murugēśaṇ Sokkaṇku veḷḷich-chiṇḡāḍana muḡḡuṇ-jeydāṇ  
Varu-māl-Ariyanayipā-mudali matī-mantriye.

invaded the Madura country and dispossessed the Pāṇḍya king. Whereupon the latter appealed to the Court of Vijayanagar, and an expedition under a certain Nāgama Nāyakkan was accordingly sent to his aid. Nāgama easily suppressed the Chōla king and possessed himself of Madura; but he then suddenly threw off his allegiance and, declining to help the Pāṇḍya, assumed the position of an independent ruler. The Vijayanagar emperor was furious at his defection, summoned a council, laid the matter before his most faithful officers, and cried out to the assemblage, 'Where amongst you all is he who will bring me that rebel's head?' Visvanātha, the son of Nāgama, promised this, captured his father in battle and placed him in confinement, only to be released later on. The Pāṇḍya king nominally held sway over Madura, but the new Nāyaka régime "developed first into a governorship, which became hereditary, and then into what was practically a hereditary monarchy." The Nāyakas "were content with the position of lieutenants under Vijayanagar; but in essentials their sway was practically absolute and the Pāṇḍyas disappear in effect henceforth from history."

The general character of the administration of the Nāyaka kingdom of Madura is thus dwelt on by Caldwell:—"Their reigns record little more than a disgraceful catalogue of debaucheries, treacheries, plunderings, oppressions, murders and civil commotions, relieved only by the factitious splendour of gifts to temples, idols and priests, by means of which they apparently succeeded in getting the Brahmans and poets to speak well of them, and thus in keeping the mass of the people patient under their misrule."

The genealogy of the Nāyaka dynasty of Madura, so far as known, may be given thus:—

1. Nāgama.	
2. Viśvanātha I.	1559—1563
3. Kumāra Kṛishṇappa	1563—1573
4. Kṛishṇappa <i>alias</i> Periya	} 1573—1595
5. Virappa and Viśvanātha II.	
6. Lingayya <i>alias</i> Kumāra Kṛishṇappa	Viśvappa <i>alias</i>
Viśvanātha III.	1595—1602
7. Muttu Kṛishṇappa	1602—1609
8. Muttu Virappa	1609—1623
9. Tirumala	1623—1659
10. Muttu Alakātri <i>alias</i> Muttu Virappa	1659—1662
11. Chokkanātha <i>alias</i> Chokkalīṅga	1662—1682
12. Raṅga Kṛishṇa Muttu Virappa	1682—1689
13. Maṅgammāl	1689—1704
14. Vijayaṅga Chokkanātha	1704—1731
15. Minākshi	1731—1736

Our record states the genealogy from Chokkanātha (No. 11 of the above list) downwards, and Vijayaṅga Chokkanātha is styled a descendant of Viśvanātha (probably I), the real founder of the Nāyaka kingdom of Madura. He was the son of Raṅga Kṛishṇa Muttu Virappa Nāyaka, and in his early years from 1689—1704 Maṅgammāl, his grandmother, acted as regent. She was an able and charitable woman, and under her "Madura apparently all but regained the proud position it had held in the days of Tirumal." Vijayaṅga Chokkanātha took charge of the administration from 1704 and ruled till 1731. He was a weak ruler, "was vain and weak-minded and unfit to govern himself or others. His reign was distinguished by the ill-regulated and extraordinary munificence of his gifts to Brahmans and religious institutions. The injustice of his rule caused a serious riot in Madura, the mutiny of the whole of his troops and incessant internal commotions."<sup>3</sup>

<sup>1</sup> *History of Tinnevely*, p. 62.

<sup>2</sup> See *Madura District Gazetteer*, I; also 'The Nalk Kingdom of Madura' in the *Ind. Ant.*, 1916, p. 18.

<sup>3</sup> *Madura District Gazetteer*, Vol. I, p. 56.

Tumbichchi-Nāyaka by Kṛishṇappa. The *Tiruppaṇi-mālai* enumerates the donations of this prince to the Madura temple,<sup>1</sup> whereof details have already been given in *Ep. Ind.*, Vol. XII, p. 161.

The *Śrīraṅgam-Kōyil-oḷugu* states that Kṛishṇappa Nāyakkar gave a number of valuable ornaments to the god Raṅganātha and built a landing place and a *maṇḍapa* on the bank of the Kāvēri, south of Śrīraṅgam.

Kṛishṇappa-Nāyaka's son was Virappa-Nāyaka. The Vellaṅguḍi inscription describes his donations and services to the temple of Minākshi-Sundarēśvara at Madura. The acts of devotion attributed to him by the *Tiruppaṇi-mālai* have already been given by me (*Ep. Ind.*, Vol. XII, p. 161); and I now quote the verses in a foot-note below.<sup>2</sup> Neither the Vellaṅguḍi inscription nor the *Śrīraṅgam-Kōyil-oḷugu* mentions any donations made by him to the temple of the god Raṅganātha of Śrīraṅgam.

The son and successor of Virappa-Nāyaka was Kumāra Kṛishṇappa-Nāyaka II. The Vellaṅguḍi inscription is rather profuse in its praise of the munificence of this prince. The statements made in this record are also corroborated by other documents. The *Tiruppaṇi-mālai* states that he built in Madura the temples of Virēśvara, Kṛishṇēśvara and Ayyaṅgārīśvara, as also the north and west *maṇḍapas* in the second *prākāra* of the temple of Minākshi.<sup>3</sup> The *Śrīraṅgam-Kōyil-oḷugu* informs us that, through the influence of Narasimha Dēśika already mentioned, Kumāra Kṛishṇappa-Nāyaka II presented the god Raṅganātha with a coat set with gems, a *kirita* studded with precious stones and other ornaments worth a lakh and a half *poṇs*.

Mr. Nelson, on the authority of certain manuscripts, states that on the death of Kumāra Kṛishṇappa I (son of Viśvanātha) his two sons, Kṛishṇappa or Periya Virappa and Viśvanātha II, ruled jointly at Madura, and similarly on the death of Kṛishṇappa or Periya Virappa his two sons, Liṅgayya or Kumāra Kṛishṇappa and Viśvanātha III (or Viśvappa), ruled jointly, but that Viśvanātha III died very soon. The hitherto discovered copper-plate inscriptions dealing with the Nāyakas of Madura do not appear to corroborate the statements of the manuscripts. Mr. Sewell, following Nelson, gives in Vol. II of his *Lists of Antiquities of Madras* brief notices of the reigns of the Nāyakas of Madura.

<sup>1</sup> Muttamilk-Kūḍaṭ-patiḥ Chokkanāḍaṭṭu mutt-aḷakkuñ  
jittirak-kōpuramuñ-jēṅṅaṭ-paḍaiyaich chirakkach-cheydāṇ  
mattaga-ppōr Viśvanāṭaṭ-kumāraṇ Manu-muṇaimai-  
kottuṭa-ppār-purakkuñ-Kṛishṇa-būpa ṅuṇakkōṇḍalē.

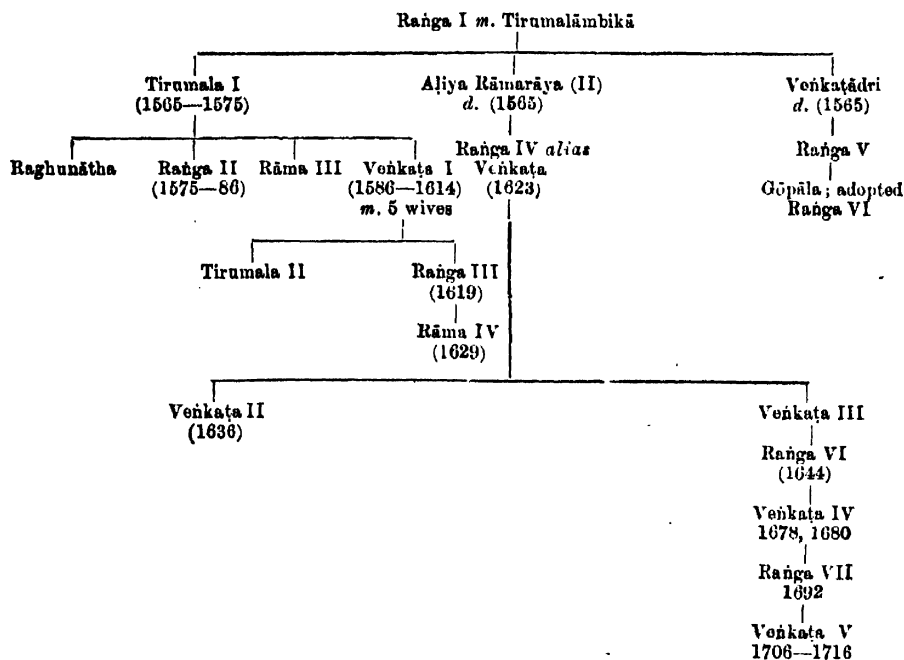
<sup>2</sup> Vidikku-Mukundaṭṭu-ettāda Śokkarkku mēḍipiyōr  
tudikkun-koḍikkamba-maṇḍapam-ōṇṇu tulaṅgach-cheydāṇ  
gaḍikkun paramaṇṇar poṇṇar muḍigalaik-kāḷil-eṇṇi  
mudikkun-gaḍāchēlattāṇ Kachchi-vāḷ-Kṛishṇa-Virappaṇē.  
Ayyar-śiṅgārach-chēḷunirp-puṇaḷ Vēḷiyambalamuñ-  
jeyya vaḍakkut-tirukkōpuramuñ-jevvichechuramun-  
tuyya tirumaḍaippaḷḷiyum-aṇḇuḍaṇ-rōṇṇach-cheydāṇ  
taiyalār mōḅaṇavēḷ Kṛishṇa-Vira-jayatuṅgaṇē  
Vārip-puvi-puḅaḷ-āyirakkāṇ-maṇimaṇḍapamu-  
m-ēruṇṇa Mūrttiyaṇṇaṇ-maṇḍapamum-iraṇḍām-pirā-  
kāraṭ-tiruchchurru-maṇḍapamuñ-ḡoḍi-kkambattumun-  
Virappa-maṇḍapamuñ-jeydaṇṇaṇ Kṛishṇa Virappaṇē.  
Allotta pūṅḡuḷal-Aṅḡayaṭṭakkaṇṇammai-ālayattōṇ-  
Mallappaṇṇṇṇu-poḅ-kambam paḷḡiyavāṇu kaṇḍē  
nall-iṭṭamāḅaṇ-poṇ-pūṣuvittā-ṇaṇṇalārukk-oru  
vill-iṭṭup-pōrai-vilakk-iṭṭaṇṇaḷ Kṛishṇa Virappaṇē.

<sup>3</sup> Virichechurañ-Kiṭṭinichechurañ-jōdi-viḷaṅḡum-Aiyañ-  
ḡaḷichechurañ-Kayaṭṭaṇṇ-iraṇḍām-pirākāraṭṭiniṅ-  
chirār vaḍaṇṇa-mēḷpuṇa-maṇḍapañ-jeydamaittāṇ  
nāraṇu-Maṇḡada-vēḷ Vira-Kirishṇappa-Nāyakaṇē.

In 1725 he entered into a war with Tanjore over the question of succession to the throne of Ramnad, in which the Raja of Tanjore obtained a decisive victory. He died in 1731, and was succeeded by an adopted son. Minākshī, his queen, acted as regent. It was during her time that a quarrel broke out between her and Vaṅgāru Tirumala, the father of the adopted son. It was at this time that the Nawab of Arcot sent two of his generals to collect tribute from Madura. The kingdom divided in itself, fell an easy prey to the invader, and from 1738 the Nāyaka kingdom of Madura ceased to exist as such.

We are told in the inscription that Vijayaṅga Chokkanātha Nāyaka was ruling in the south when a certain Venkata-dēva Mahārāya, his overlord, was the rājā of Vijayanagara, ruling from his capital Ghanagiri. He is styled Rājadhīrāja and Virapratāpa and is said to have his seat at Ghanagiri, which has been identified with Penukoṇḍa.

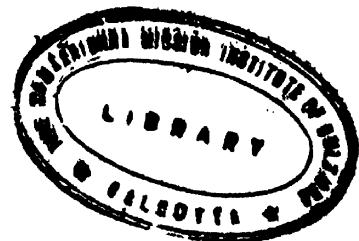
The genealogy of the third Vijayanagara dynasty, as made out from inscriptions, runs as follows<sup>1</sup> :—



According to the above table Venkaṭa alias Venkaṭa V has been assigned by Mr. Sewell the dates 1706—1716. He is fourth in the line from Raṅga VI (1644 A.D.). The date of the present grant is 1630 Śaka=1708 A.D.,<sup>2</sup> which falls within the dates of Venkaṭa V. Thus the Venkaṭa-dēva Mahārāya of our inscription, who is mentioned as the overlord of Vijayaṅga

<sup>1</sup> See *Epigraphia Indica*, Vol. III, p. 238, and Sewell's *A Forgotten Empire*, Ch. XVII, pp. 223 f.

<sup>2</sup> [Mr. T. A. Gopinatha Rao, who has published the plate in his volume of *Copper-plate Inscriptions of the Kāmakōṭi-piṭṭa*, has given an incorrect reading of the date, which the Editor has adopted but which he could have easily detected from the citation of the cyclic year Vikṛiti. It is inexplicable how Mr. L. D. Swamikanun Pillai also should have overlooked the error, in calculating the date for Mr. Gopinatha Rao, on p. 101, *ibid.* Pandit K. Venkatasubbayya of the Municipal High School, Ootacamund, has kindly calculated the date according to the *Arya-Siddhānta* and finds that the date, correctly read as Ś. 1632 Vikṛiti, Kārttika śu. 15, Monday, Rōhiṇī, corresponds to A.D. 1710, Nov. 14. The full-moon *tithi* of Kārttika fell on Monday and lasted for 45 gh. 51 vigh., or 18 hours and 20 minutes from sunrise, and the *nakṣatra* Rōhiṇī was also current at sunrise and lasted till 10 gh. 28 vigh.—H. K. S.]



The Vellaṅguḍi plates mention that Kṛishṇappa II set up a *maṇi-stambha* in the temple at Madura. It is not quite easy to find out what is meant by a *maṇi-stambha*. The *Tiruppaṇi-mālai* seems to throw some light on the matter; a pillar in the temple of Minākshi was plated with gold by one Mallappa. In course of time the gold plating was worn out and Kṛishṇa Virappa (that is, Virappa, son of Kṛishṇappa I) regilded the pillar.<sup>1</sup> It is perhaps this act, which is attributed to the father of Kṛishṇappa II in the *Tiruppaṇi-mālai*, that is alluded to as having been performed by the son.

Another fact which is not quite clear about Kṛishṇappa II is that he conquered the kingdom of the Pañcha-Tiruvaḍis.<sup>2</sup> Who these five Tiruvaḍis were it is not possible to say in the present state of our knowledge of the history of the Tiruvaḍi kingdom. We may, however, provisionally assume that the term Pañcha-Tiruvaḍi refers to the members of the various branches of the Tiruvaḍi line, such as the Tiruppāppūr *svarūpam*, the Śīraivāy *svarūpam*, the Jayatūṅga-nāḍu *svarūpam*, etc., which were ruling simultaneously over portions of the Tiruvaḍi *rājyam*.

The following is an alphabetically arranged list of the names of places which occur in the inscription (Il. 123-140), with their identifications with modern villages and towns:—

i.—Names of villages, etc., occurring in connection with the grant.

No.	Name of Village.	Modern Name.	Taluk.	District.
1	Arichanallūr . . .	Harikēśavanallūr . . .	Ambāsamudram . . .	Tinnevely.
2	Attālanallūr . . .	Attālanallūr . . .	Do. . .	Do.
3	Kallaṇai(ore)kkurichi . . .	Kallidukkurichi . . .	Do. . .	Do.
4	Kailāsanātha-tatāka (tank), belonging to Viravanallūr.	.....	Do. . .	Do.
5	Kaiyottāṅkuruchi . . .	.....	.....	.....
6	Kannadiyāṅkāl-ārāchechi . . .	Runs through the Tinnevely district.	Ambāsamudram . . .	Tinnevely.
7	Koṭṭālakurichi . . .	Koṭṭārakkurichi . . .	Śrīvaikunṭam . . .	Do.
8	Kudireyōḍi (garden) . . .	.....	.....	.....
9	Kuruṅguḍi . . .	Tirukuruṅguḍi . . .	Nāṅgunēri . . .	Tinnevely.
10	Mānāmaṅgala . . .	Mānārmaṅgalam . . .	Ambāsamudram . . .	Do.
11	Pādaryōḍa (watercourse) . . .	.....	.....	.....
12	Perumbattulkaḍo . . .	Kaḍayam Perumpattu . . .	Ambāsamudram . . .	Tinnevely.
13	Ponnaḍi-kulyā (canal) . . .	.....	.....	.....
14	Śaṅkaramahā-patha (highroad)	.....	.....	.....
15	Taḍichēri, Taḍchēri or Tadchēr	Taḷachēri . . .	.....	.....
16	Uppuvāṇṇamputtūr . . .	Uppānimattūr . . .	.....	.....
17	Vellaṅgolli . . .	Vallaṅkuli . . .	Ambāsamudram . . .	.....
18	Viravanallūr . . .	Viravanallūr . . .	Do. . .	Tinnevely.

<sup>1</sup> See the fourth verse in foot-note 2 above, p. 306.

<sup>2</sup> [See below, p. 317, foot-note 5, and Report on Epigraphy for 1905-06, p. 85, paragraph 60. —H. K. S.]

Chokkanātha Nāyaka, is according to the above table Venkaṭa V, who ruled, with Penukonḍa as his capital, over the domains of the Vijayanagara house.

The grant does not mention explicitly the name of the donee. It is merely stated that it was made to the *maṭha* at the instance of the then head, who is styled Lōkaguru Śrīmad-Śaṅkarāchārya-svāmulaṅkāra.

We find, however, at the top of the first side of the plate, below the figures on the arch, the inscription *Śrī-Chandramaulīśvara-Svāmi*. It may also be noted that there is some blank space between ll. 3 and 4 and a short space between two horizontal strokes in l. 19. Chandramaulīśvara is the name by which the god of the Kumbhakōṇam *maṭha* is known, and the line at the top may possibly refer to the deity. We are not in a position to account for the blank spaces between ll. 3 and 4 and in l. 19. It will be seen that it would be appropriate if the name is taken as that of the Śaṅkarāchārya and is inserted between the blank spaces. This is reasonable, as out of respect for the teacher the name of the latter may not be directly mentioned by the disciple or devotee.

The tradition as regards the names of the Achāryas of the Kumbhakōṇam *maṭha* leads one to hold the above view. It is to the effect that for over two centuries the Śaṅkarāchāryas of the Conjeeveram branch have borne alternately the names *Mahādēva* and *Chandrachūḍa* or Chandramaulī. Hence it is quite likely that the Śaṅkarāchārya mentioned in our inscription should have had one of these two names.

The Melupāka grant, dated 1608 Śaka,<sup>1</sup> of Mahādēvēndra Sarasvatī, the disciple of Chandraśekhara Sarasvatī, records the fact of the grant of lands in the village of Melupāka by the former to a certain Rāma Śāstrin. The present grant is dated Śaka 1632, and it is probable that the Śaṅkarāchārya of 1632 Śaka was the one who succeeded him of 1608 Śaka.

On the foregoing grounds I hold that the name of the head of the *maṭha* at the time of the present grant was Chandramaulīśvara, which name is inserted on the top of the first side.

The plate records a grant of land to the Śaṅkara *maṭha* at Tiruvānaikāval, and the details of the grant run as follow:—

Locality.	Amount.	REMARKS.
1. Mahēndramaṅgalam in Tottiyam <i>śīma</i>	4½ half- <i>mās</i> and 1 <i>tāru</i> <sup>2</sup> (?).	Originally महेन्द्रम (?).
2. Gōpāla-svāmin's garden . . .	.....	Probably refers to the garden of the god Vēṇugōpāla-svāmin.
3. Kṛishṇāpuram . . . . .	4½ half- <i>mās</i> and 2 <i>tāru</i> .	
4. Kārakkāḍu . . . . .	4½ <i>mās</i> and 2 <i>tāru</i> .	
5. Koṇḍayampēṭa . . . . .	2 <i>śeys</i> of wet land.	
6. Maṅgamāmbāpuram in Tiruchchendōru <i>śīma</i> .	8 <i>śeys</i> of wet land . . .	The village takes its name probably after Maṅgammāl, the famous queen.
7. Ariyūr in Tiṇnam <i>śīma</i> . . .	16 <i>śeys</i> of wet land.	
8. Ariyamaṅgalam in the South Kō-nāḍu <i>śīma</i> .	3 <i>śeys</i> of wet land.	

The plate records also the grant of 1 *śey* of land on both banks of the Kāvēri for certain offerings to the God, and the right of collection of certain tolls for the same.

<sup>1</sup> Being edited in the *Ep. Ind.* by the author.

<sup>2</sup> 144 sq. ft. = 1 *kuḷi*; 100 *kuḷi* = 1 *mā*. *Tāru* may mean either a tree or a grove.

## ii.—Names of villages occurring in connection with the donees.

Name of Village.	Modern Name.	Taluk.	District.
Abbūru . . . . .	Abbūru . . . . .	Sattenapalle . . . . .	Guntur.
Addanki . . . . .	Addanki . . . . .	Ongole . . . . .	.....
Ālikonḍa . . . . .	.....	.....	.....
Alḷu . . . . .	Alḷūr . . . . .	{ Tenali . . . . .	Guntur.
		{ Nellore . . . . .	Nellore.
		{ Koyilkuntla . . . . .	Kurnool.
		{ Nandikotkur . . . . .	"
Ālūru . . . . .	Ālūru . . . . .	{ Alur . . . . .	Bellary or
		{ Tadpatri . . . . .	Anantapur.
Ammanamachi or Amnamañchi.	.....	.....	.....
Arakāṭavēlma (see Arakāṭṭavēmula).			
Arakāṭṭavēmula . . . . .	Arakāṭavēmula . . . . .	Proddatur . . . . .	Cuddapah.
Attalūru . . . . .	Attalūru . . . . .	Sattenapalle . . . . .	Guntur.
Balapanūru . . . . .	.....	.....	.....
Bellamkonḍa . . . . .	Bellamkonḍa . . . . .	Sattenapalle . . . . .	Guntur.
Biṭragunṭa . . . . .	Biṭragunṭa . . . . .	Kandukur . . . . .	Nellore.
Bondapaṭṭi . . . . .	.....	.....	.....
		{ Punganur . . . . .	N. Arcot.
		{ Kandukur . . . . .	Nellore.
		{ Atmakur . . . . .	.....
Brāhmalapalli . . . . .	Brāmmalspalle . . . . .	{ Vinikonda . . . . .	Guntur.
		{ Nandyal . . . . .	Kurnool or
		{ Gooty . . . . .	Anantapur.
Būdapūru . . . . .	.....	.....	.....
Būravilli . . . . .	.....	.....	.....
Būrla (?) . . . . .	.....	.....	.....
Chandūru . . . . .	Chowḍuru . . . . .	Proddatur . . . . .	.....
Cheppali' . . . . .	Chempalli . . . . .	Gudiyattam . . . . .	N. Arcot.
Cherukupalli . . . . .	.....	.....	.....
Chilṭu (?) . . . . .	.....	.....	.....
Chirāvūru . . . . .	Chirrāvūru . . . . .	Guntur . . . . .	Guntur.

[Chhappalli is a family name among the Telugu Muliki-nāḍu Brahmans.—H. K. S.]



The places mentioned in the grant are Gajāraṇya-kṣhētram, Ponvāsikōṇḍān street, Mahēndramaṅgalam in Toṭṭiyam *śima*, Kṛishṇāpuram, Kārakkāḍu, Koṇḍayampēṭa, Maṅgamāmbāpuram, Ariyūr and Ariyamaṅgalam in the South Kō-nāḍu *śima*. Of these places the following may be identified :—

Gajāraṇya-kṣhētram is the same as Jambukēśvaram. The tradition of the place runs to the effect that an elephant attained bliss by worshipping the god of the place.

Ponvāsikōṇḍān street cannot be identified with any of the present day. It is connected with some of the Śaiva saints, Appar and Sambandha for instance. It was apparently a locality famous as the seat of Śaivism in Jambukēśvaram.

Toṭṭiyam *śima* is the district round the village of Toṭṭiyam in Musiri *Taluk*, Trichinopoly district. The place appears to take its name from the Toṭṭiyans, one of the sub-sects of the Kanarese-speaking Śādra castes of the Coimbatore district.

Mahēndramaṅgalam is a village near Lālappēṭṭai, a railway station on the South Indian Railway between Erode and Trichinopoly. The *maṭha* of Kumbhakōṇam has still some lands there. Near this village is a temple dedicated to Vēṅṅōpāla-svāmin, which with the surrounding lands is now owned by the Kumbhakōṇam *maṭha*.

Gōpāla-svāmin's *garden* probably refers to the garden of the above temple.

Kṛishṇāpuram is a small village near Mahēndramaṅgalam.

Kārakkāḍu is a hamlet some 5 or 6 miles from Mahēndramaṅgalam.

Koṇḍayampēṭa is the village Koṇḍayampēṭṭai near Jambukēśvaram.

Tiruchchendōru is the village Tiruchchendurai 5 miles from Trichinopoly.

Ariyamaṅgalam is also a village near Trichinopoly. It is said to have been situated in the South Kō-nāḍu district which is probably identical with the Pudukkōṭṭai State.

In lines 15-19 of the plate it is said that the Śaṅkarāchārya of Conjeeveram had his *own maṭha* in Ponvāsikōṇḍān street from *olden times*. The insertion of 'own' (स्वतन्त्र) and 'from olden times' (पूर्वभेदलुकोक्ति) looks purposeful and curious; and it leads one to the suspicion whether the *maṭha* may have been originally owned by the Śaṅkarāchārya of the Kāmakoṭi *pīṭha*, or not. It has been already noted that Ponvāsikōṇḍān was a Śaiva place of resort in Jambukēśvaram. Tamil records actually engraved on the walls of the *maṭha* at Tiruvānaikāval, which according to the Epigraphist may be assigned to the 13th century,<sup>1</sup> state that the *maṭha* was originally built by a certain Śōlakōṇ and was called the *Nārpaṭṭēṇṇāyiravaṇ-maḍam*, its priests being the descendants of Namaśśivāya-dōvar of the lineage of Tiruchohattimurattu-Mudaliyār. These records lead us to two inferences: first, that the Śaṅkarāchārya of Kumbhakōṇam may have come into possession of the *maṭha* at the earliest only after the 13th century; secondly, that the *maṭha* was originally built by a Śaiva devotee for his sect and must have been in the possession of the Śaiva saints at least as late as the 13th century. It is possible that a descendant of the family of Tiruchchattimurattu-Mudaliyār made a gift of the *maṭha* to the Śaṅkarāchārya of Conjeeveram, or it may be that the latter occupied the *maṭha* when Śaivism had declined in the locality and the *maṭha* was left in a ruined state. In any case the records on the walls of the *maṭha* show that it was not the Śaṅkarāchārya's स्वतन्त्र but was originally in the occupation of the Śaiva community and the पूर्वभेदलुकोक्ति could refer at the earliest to the 13th century A.C.<sup>2</sup> It cannot be known when the *maṭha* actually came into the possession of the present holder. It must have been occupied by the latter somewhere between the 13th century and the year 1710 A.C., the date of the present record.

We are enabled in a way to determine the relative antiquity of the two *maṭhas* at Kumbhakōṇam and Tiruvānaikāval. Of the two the former has been the more favoured, being the

<sup>1</sup> See Madras Epigraphist's reports for 1909, p. 104, and 1915, p. 113.

<sup>2</sup> The earliest copper-plate grant of the Conjeeveram *maṭha* is that of Vijayagopālagōpāla, dated 1291 A.C. (Edited in the *Ep. Ind.* by Mr. S. Y. Venkateswara, Vol. XIII, p. 196.)

Name of Village.	Modern Name.	Taluk.	District.
Kōḍūru . . . . .	{ Ayyavāri Kōḍūru . . . . . Brāhṃa Kōḍūru . . . . .	Nandyal . . . . . Bapatla . . . . .	Kurnool Guntur.
Kolakalūr . . . . .	.....	.....	.....
Kolla (?) . . . . .	.....	.....	.....
Krānāla . . . . .	.....	.....	.....
Kundavara . . . . .	.....	.....	.....
Māganti . . . . .	.....	.....	.....
Māmuḍūr . . . . .	Māmaḍūru . . . . .	Atmakur . . . . .	Nellore.
Maṅkāla . . . . .	.....	.....	.....
Matyemaḍugu . . . . .	.....	.....	.....
Mōkshagunḍam . . . . .	Mōkshagunḍam . . . . .	Cumbum . . . . .	Kurnool.
Morlūru . . . . .	Mollūru . . . . .	Rayachoti . . . . .	Cuddapah.
Muddalāpura . . . . .	Mudlāpura . . . . .	Hospet . . . . .	Bellary.
Mūla (?) . . . . .	.....	.....	.....
Mucumaḍugu . . . . .	Manamaḍugu (?) . . . . .	Kanigiri . . . . .	Nellore.
Musalakavi (?) . . . . .	.....	.....	.....
Nallagattā . . . . .	.....	.....	.....
Nandyāla . . . . .	Nandyāl . . . . .	Nandyal . . . . .	Kurnool.
Narasañchōli (?) . . . . .	.....	.....	.....
Niḍuchanabetṭa . . . . .	.....	.....	.....
Niḍūr . . . . .	Niḍūru . . . . .	Ramallakot . . . . .	Kurnool.
Nittūru . . . . .	Nittūru . . . . .	{ Bellary . . . . . Tadpatri . . . . .	Bellary or Anantapur.
Nōkala (?) . . . . .	.....	.....	.....
Noryya (?) . . . . .	.....	.....	.....
Nudurumāṭu . . . . .	.....	.....	.....
Oḷavūru . . . . .	.....	.....	.....
Paḍḍarāṅgi . . . . .	Paḍḍarāṅgi . . . . .	Udayagiri . . . . .	.....
Paṇḍe (?) . . . . .	.....	.....	.....
Pasumarti . . . . .	.....	.....	.....
Paiḍāla . . . . .	Peṇṭrāla . . . . .	Kandukura . . . . .	Nellore.
Pālagiri . . . . .	Pāllagiri . . . . .	Nandigama . . . . .	Krishna.
Pālasamudram . . . . .	.....	.....	.....
Pārnandi . . . . .	.....	.....	.....

seat of the Kāmakōṭi pīṭha for about two centuries past. The Kāmakōṭi pīṭha of Kumbhakōṇam must at the time of our grant have been situated at Kāñchi. The migration of the Śaṅkarāchārya from Conjeeveram to the Kumbhakōṇam maṭha must have occurred later than 1710 A.C. The tradition current in the Kumbhakōṇam maṭha is to the effect that Rājā Sarabhōji of Tanjore built it for the Chandramaulīśvara Swāmin, the deity worshipped at the maṭha. This is corroborated by a stone inscription in the maṭha of the year 1743 Śaka=1821 A.C. Thus from the evidence available it would appear that the Kumbhakōṇam maṭha was in existence only from the 19th century,<sup>1</sup> while that at Tiruvānaikāval must have continued in the possession of the Swāmin at least from between the 13th century and 1710 A.C., as the present epigraph shows.

## TEXT.

First Side.

- 1 श्रीचंद्रमौकीश्वरस्वामि [॥\*]
- 2 श्रीमत्परमहंसपरिव्राजकाचार्यवर्य श्रीका[ची]पुर-
- 3 स्तित<sup>2</sup> श्रीमच्छंकरभगवत्पादाचार्य स्वामुलवारिकि [॥] .
- 4 स्वस्ति श्री विजयाभ्युदय शालिवाहनशकाब्दमुलु
- 5 १६३० अगुनेटि विष्णुतिनामसंवत्सरं कात्तोक<sup>3</sup> शुभ<sup>4</sup> १५ ति-
- 6 दुवासरं<sup>5</sup> रोहि[णी]नक्षत्रं यी कूडिन शुभदिनमं-
- 7 दु<sup>6</sup> [॥\*] श्रीमद्राजाधिराज परमेश्वर वीरप्रताप श्रीवेंकट-
- 8 देवमहारायलथ्यवाह चनगिरिनगरमंडु<sup>7</sup> रत्नसिं-
- 9 आसनासीतुलै पृथ्विसांवाग्य<sup>8</sup> श्रेयचुनुंगानु<sup>9</sup>
- 10 पांथधरामंडलेखरुलैन दक्षिणसिंह्या<sup>10</sup>सनाध्यक्ष-
- 11 लैन काश्यपगोत्रं विष्णुनाथनायनिवारि वंशकर्तलैन
- 12 चो<sup>11</sup>कनाथनायनथ्यवारि पौढलैन<sup>12</sup> रंगकण्ठमुदुवी-
- 13 रप्पनायनथ्यवारि पुत्तुलैन<sup>13</sup> विजयरंगचो<sup>14</sup>कनाथना-
- 14 यनथ्यवाह लोकगुरुस्वामुलैन श्रीमच्छंकराचार्यस्वा-
- 15 मुलवारिकि । गजारथ्यक्षेत्रमंडु<sup>15</sup> पोन्<sup>16</sup>वाशिकीडा<sup>17</sup>।
- 16 वीधिलो पूर्व मो<sup>18</sup>दुलुकोनि स्वामुलवारिकि स्वत्तम<sup>19</sup>।
- 17 ठं वुंटेदुन<sup>17</sup> आ मठान निरंतर<sup>18</sup>सुभा चंनदानं<sup>19</sup>

<sup>1</sup> [This is not correct. A.D. 1821 was the date of the building of the new maṭha by king Sarabhōji of Tanjore, the older one, according to tradition, having been erected by his grandfather Pratāpa-sirha; see Mr. T. A. Gopinatha Rao's *Copper-plate Inscriptions of the Kāmakōṭi-pīṭha*, Introduction, p. 8.—H. K. S.]

<sup>2</sup> Read स्थित.

<sup>3</sup> Read कार्तिक.

<sup>4</sup> The actual spelling on the plate is *śdha*; read शुभ.

<sup>5</sup> Read दुदुवासरं.

<sup>6</sup> Read ओंहु.

<sup>7</sup> Read नडगानु.

<sup>8</sup> Read सिंहा.

<sup>9</sup> Read पौत्तुलैन.

<sup>10</sup> Read पुत्तुलैन.

<sup>11</sup> Read ओंकीडा.

<sup>12</sup> Read as short.

<sup>13</sup> Read वुंटेदुन.

<sup>14</sup> Read निरंतर.

<sup>15</sup> Read सिंहास . पृथ्वी सावाग्य.

<sup>16</sup> Read as short form of the sign.

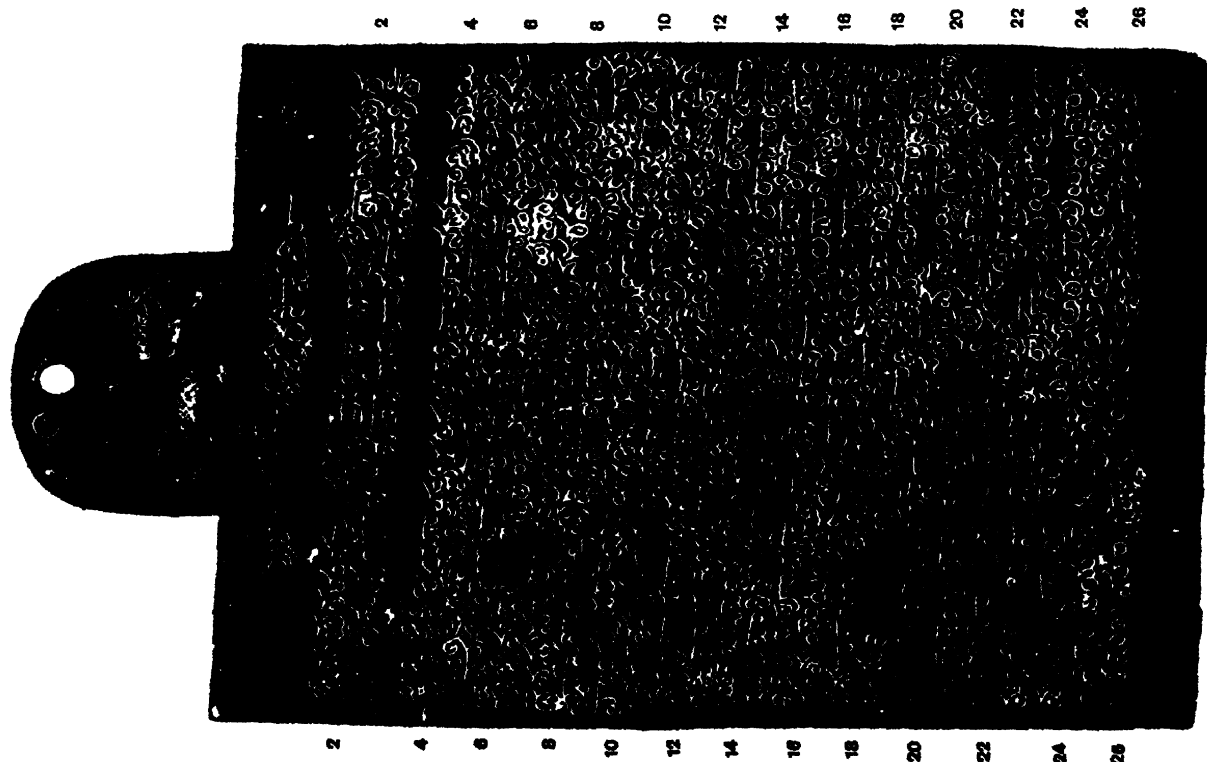
<sup>17</sup> Read as short.

<sup>18</sup> Read इवत्त.

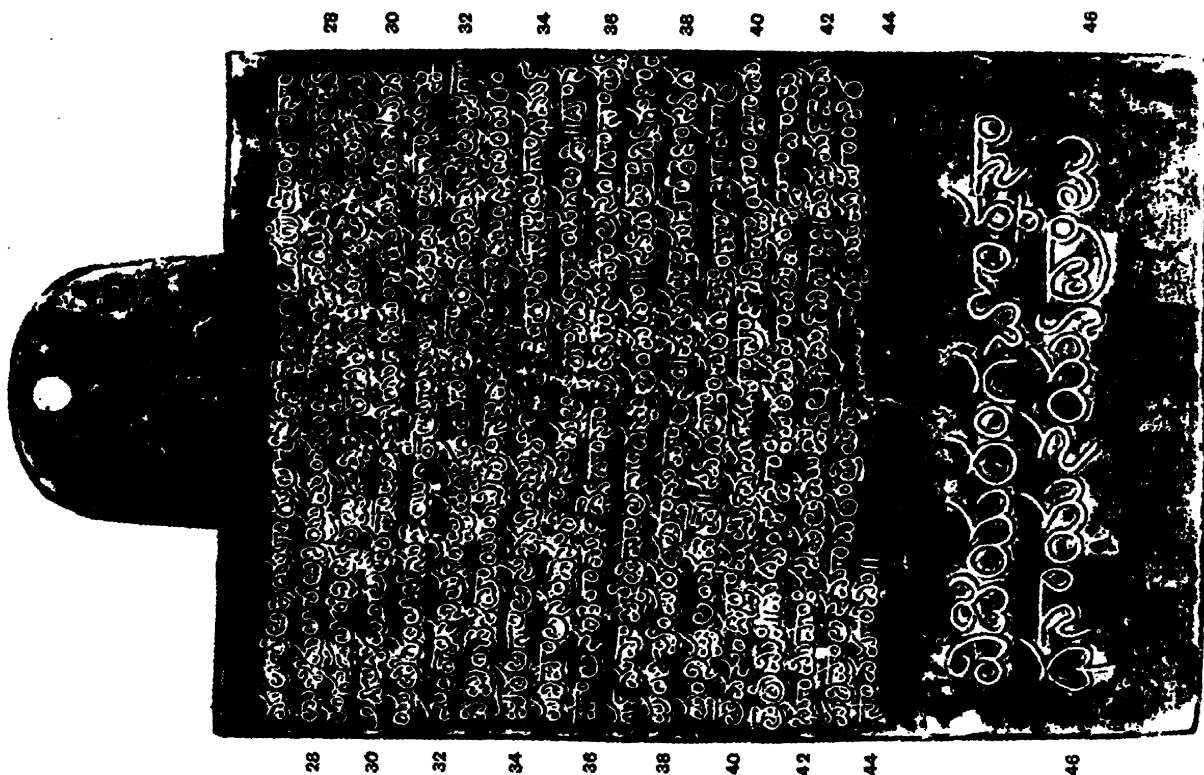
<sup>19</sup> Read चंनदानं.

Name of Village.	Modern Name.	Taluk.	District.
Paṭṭa . . . . .	.....	.....	.....
Pedipāṭi . . . . .	Pedapāḍu . . . . .	Ellore . . . . .	Krishna.
Penugonḍa . . . . .	Penukonḍa . . . . .	Penukonda . . . . .	Anantapur.
Pinapa . . . . .	.....	.....	.....
Pisupāṭi or Pisupāṭi . . . . .	Pisapāḍu . . . . .	Sattenapalle . . . . .	Guntur.
Piṭṭi (P) . . . . .	Pushpagiri . . . . .	Cuddapah . . . . .	Cuddapah.
Poṭṭyadurti . . . . .	Poṭṭaiṣutti . . . . .	Nanguneri . . . . .	Tinnevelly.
Prattipāḍu . . . . .	Prattipāḍu . . . . .	{ Sattenapalle . . . . . Guntur . . . . .	Guntur. "
Pushpagiri . . . . .	.....	.....	.....
Raḍḍicherla . . . . .	Reddicherla . . . . .	Cumbum . . . . .	Kurnool.
Rāmachandrapura . . . . .	Rāmachandrāpuram . . . . .	{ Kandukur . . . . . Guntur . . . . . Ongolo . . . . .	Nellore. Guntur. "
Rāvūru . . . . .	Rāvūru . . . . .	Kandukur . . . . .	Nellore.
Rāyalacheru . . . . .	Rāyalacheruvu . . . . .	Dharmavaram . . . . .	Anantapur.
Rōmarli . . . . .	.....	.....	.....
Sanagara (P) . . . . .	.....	.....	.....
Saṅgu (Saṅgra P) . . . . .	.....	.....	.....
Sanugōḍ . . . . .	.....	.....	.....
Śāsana-kōṭṭa . . . . .	.....	.....	.....
Setṭipalli . . . . .	Settipalle . . . . .	{ Yellavaram . . . . . Chandragiri . . . . .	Godavari. N. Arcot.
Śēvathāna (P) . . . . .	.....	.....	.....
Sinkēsula . . . . .	Sunkēsula . . . . .	{ Markapur . . . . . Ramallakot . . . . . Pulivendula . . . . .	Cuddapah. Kurnool. Cuddapah.
Śiṣṭiḷa (or Śiṣṭiḷa) . . . . .	.....	.....	.....
Sōḷṣa (P) . . . . .	Selasettipalle . . . . .	Kangundi . . . . .	N. Arcot.
Soraba . . . . .	Soraba (P) . . . . .	Shimoga . . . . .	Mysore State.
Sūmulūru . . . . .	.....	.....	.....
Taṁḍellapāḷi . . . . .	.....	.....	.....
Taṁḡatūru . . . . .	.....	.....	.....
Taṁḡirāḷa . . . . .	Taṁḡella (P) . . . . .	Kandukur . . . . .	Nellore.

First Side.



Second Side.



Name of Village.	Modern Name.	Taluk.	District.
Teligampalli . . . .	.....	.....	.....
Tirupati . . . .	Tirupati . . . .	Chandragiri . . . .	Chittoor.
Tirumalapura . . . .	Timmalāpuram . . . .	Udayagiri . . . .	Nellore.
Tōṭapalli . . . .	Tōṭapalle . . . .	Tenali . . . .	Guntur.
Tūbāṭi . . . .	.....	.....	.....
Tūmalūru . . . .	Tummalūru . . . .	Nandikotkur . . . .	Kurnool.
Turumilla . . . .	Turimella . . . .	Cumbum . . . .	"
Uddagiri . . . .	Udayagiri . . . .	Udayagiri . . . .	Nellore.
Upladaḍiya . . . .	Uppalapāḍu . . . .	{ Atmakur . . . . Cumbum . . . .	" Kurnool.
Uruṅgaṇṭi . . . .	.....	.....	.....
Ūṭakūru . . . .	Vūṭkūru . . . .	{ Sattenapalle . . . . Rapur . . . . Udayagiri . . . .	Guntur. Nellore or "
Valavura . . . .	.....	.....	.....
Vānapalli . . . .	.....	.....	.....
Vaṅgaviṭi . . . .	.....	.....	.....
Vellāla (?) . . . .	.....	.....	.....
Vellaṭūru . . . .	Vellaṭūru . . . .	{ Tenali . . . . Vinikonda . . . .	Guntur. "
Vellūru . . . .	{ Vallūru . . . . Vellore . . . .	Bapatla . . . . Vellore . . . .	" North Arcot.
Vēlpumalla (?) . . . .	.....	.....	.....
Vēlvunūru . . . .	Vēlpūru . . . .	{ Sattenapalle . . . . Vinikonda . . . .	Guntur. "
Vīrūru . . . .	Vīrūru . . . .	{ Atmakur . . . . Udayagiri . . . .	Nellore. "
Yammanūru or Yemmanūru . . . .	.....	.....	.....
Yatamaṇṭa . . . .	.....	.....	.....

TEXT.<sup>1</sup>

[Metres: Section I, vv. 1-4, 42, 42½, 48-51, 53-70½, 74½, 75½, 78½, 79½, 89½-128, 210½-214½, all the verses in Section II, and Section III, vv. 147-207½, *Anushṭubh*; vv. 5, 7, 23-25, 32, 35, 36, 52, 71½, 76½, 85½-88½, *Śārdūlavakṛtita*; vv. 6, 22, 27, 77½, *Sragdharā*; vv. 8, 83½, *Rathodāhata*; vv. 9, 14, 73½, *Vasantatilakā*; vv. 10, 15, 30, 33, *Prithvī*; vv. 11, 20, *Śikharinī*; vv. 12,

<sup>1</sup> From inked impressions prepared under my supervision.



*ii a.*

[illegible] $\dot{u} \in b_*$ 

iii)  $\mathcal{A}_\bullet$

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- 18 धर्मादुलु नडिपिं<sup>१</sup>वल्लननि स्वासुलवारु आग्राणिं<sup>२</sup>  
 19 नंदुन ॥—॥ प्रीतिगालु पूज नैवेद्यं चंददानं<sup>३</sup> ब्रां-<sup>४</sup>  
 20 अणसंतर्पणं मो<sup>५</sup>दलैनदि नडिचिवचेटहुगा सर्वमां-  
 21 न्यतांशशासनं<sup>६</sup> ब्राशियिचिन क्रमं [॥\*] तो<sup>७</sup>द्वियंशोम-  
 22 लो महेन्द्रमंगलं<sup>८</sup> भटवर्ति<sup>९</sup> अरमावु (६४१)<sup>१०</sup> ता-  
 23 व १ [१\*] गोपालस्वामि तीट १ [१\*] कृष्णपुरंलो अरमा-  
 24 वु (६४१)<sup>११</sup> तारु २ [१\*] कारकाडुलो अरमावु (६४१)<sup>१२</sup> तारु  
 25 १ [१\*] कौडयंपेटलो नंज श्रेयि २ [१\*] तिरुचंदीरु शोम-  
 26 लो मंगमावापुरं<sup>१३</sup> नंज श्रेयि ८ [१\*] तिचं<sup>१४</sup>श्री-

## Second Side.

- 27 मलो अरियूलो नंज श्रेयि १६ [१\*] दक्षिणं कोना-  
 28 कुशोमलो अरियमंगलं<sup>१५</sup> नंज श्रेयि ६ [१\*] जेळु<sup>१६</sup>केश-  
 29 रंगुडलो<sup>१७</sup> नित्य कट्टोदिनं<sup>१८</sup> [१]कि विथ्यं पडि चंनं<sup>१९</sup> तशीगलु<sup>२०</sup>  
 30 २ दोशलु २ अतिरसालु २ सुगिय १ दीपं चमरु पडि<sup>२१</sup> [१] वुभ-  
 31 य तीरंलोनु श्रेयि १कि तूसुडु वलुवंतुनानु<sup>२२</sup>  
 32 सुंजान नित्य कट्टुग न १ [॥] यो प्रकारं नडिचिवचेटहुगा  
 33 दिट्टं चेयि ब्रायिचिं<sup>२३</sup> यिचिनुं आसुग नक तामुं सु पीठं<sup>२४</sup>परं-  
 34 प्परलगा अनुभविं<sup>२५</sup>कुकोनि आचे<sup>२६</sup>द्रार्कस्यायिगा धर्म-  
 35 परिपालनं चे[सु]कोनुनु आशीर्वादं शायगलदि ॥ दान-  
 36 पालनयोर्मध्ये दानाच्छेयोनुपालनं<sup>२७</sup> । दानादस्व-  
 37 र्गमवाप्नोति पालनादक्षुतं<sup>२८</sup> पदं ॥ स्वदत्तादि<sup>२९</sup>गुणं  
 38 पुंण्यं परदत्तानुपालनं । परदत्तापहारेण स्वद-  
 39 त्तं निष्फलं<sup>३०</sup> भवेत् ॥ स्वदत्तां परदत्तां [व]ा यो हरि-  
 40 [त] वसुंधरा<sup>३१</sup> नर्तिवर्षसहस्राणि विष्टायां<sup>३२</sup> जाय-

<sup>१</sup> Read °च°.<sup>२</sup> Read °चि°.<sup>३</sup> Read चन°.<sup>४</sup> Read ब्रा°.<sup>५</sup> Read the vowel sign as short.<sup>६</sup> Read सर्वमान्यतासमा°.<sup>७</sup> Read °लंलो.<sup>८</sup> Read हति.<sup>९</sup> [The actual reading is अरमावु, ४८ i.e. 44 aramavu. Mr. T. A. Gopinatha Rao in his transcript has made the same mistake. In l. 24 below, the reading “लु ४८” must similarly be substituted for “(६४१)°”—H. K. S.]<sup>१०</sup> Read °रंलो.<sup>११</sup> Read तिचं°.<sup>१२</sup> Read °लंलो.<sup>१३</sup> Read ब्रा.<sup>१४</sup> Read °गुडिलो.<sup>१५</sup> [The actual spelling on the plate is *dnim*.—H. K. S.]<sup>१६</sup> Read चन°.<sup>१७</sup> Read नलु.<sup>१८</sup> [The symbols ~ = 1 and ~ = 2 are well known. See above, Vol. VIII, p. 180.—H. K. S.]<sup>१९</sup> Read °वसुंधरा°.<sup>२०</sup> Read °चि°.<sup>२१</sup> Read तामु.<sup>२२</sup> Read आचंद°.<sup>२३</sup> Read °नाच्चे°.<sup>२४</sup> Read दक्षुतं.<sup>२५</sup> Read °द्वियं पुणं°.<sup>२६</sup> Read निष्फलं.<sup>२७</sup> Read °विष्टायां°.<sup>२८</sup> Read °ह°.



- 41 ते क्रिमिः ॥ महंशजाः परमहोपतिवंशजा वा ये  
 42 भूमिपास्ततसुखलधर्मचित्ताः<sup>1</sup> । महर्ममेव  
 43 परिपालनमाचरन्ति<sup>2</sup> तत्पादुकाद्वयमहं शिर-  
 44 सा वहामि ॥  
 45 विजयरंगचोक्कना-  
 46 धनायनय्य त्रासु [\*]

## TRANSLATION.

Line 1. The Lord whose crest is adorned by the Moon.

Ll. 2 & 3. To the lord *Śaṅkarāchārya*, resident in *Kāñchīpura*, who is a *paramahansa*, and the most exalted of those who have renounced the world.

Ll. 4-6. In the *Śaka* year 1032 of *Śālivāhana*, in the year *Vikṛiti*, on *Kārttika*, on the full moon day, on *Monday*, when the star was *Rōhipi*, on this auspicious day,

Ll. 7-9. When the king of kings, the supreme lord, *Virapratāpa Vēṅkaṭa-dēva Mahārāya* was ruling over the earth, seated on his jewelled throne in *Ghanagiri*,

Ll. 10-15. The lord of the *Pāṇḍya* country, who is enthroned as lord of the southern seat, of the *Kāśyapa gōtra*, the descendant of *Viśvanātha Nāyaka*, the grandson of *Chokkanātha Nāyaka* and the son of *Raṅga-Kṛishṇa Muttu Virappa Nāyaka*, *Vijayaraṅga Chokkanātha*—made to the *lōkiguru* (teacher of the world) *Śaṅkarāchāryaswāmi*,

Ll. 15-19. By command of the *Swāmin* for giving charity in the shape of food for all time in his own *maṭha*, which has been in existence from antiquity in the *Ponvāsikoṇḍān* street in *Gajāraṇya-kshētra*,

Ll. 19-21. For (his) pleasure a perpetual copper-plate grant for worship, offerings, feeding and general propitiation<sup>3</sup> of *Brāhmaṇas* as follows:—

Ll. 21-28.  $4\frac{1}{2}$  half-*mās* and 1 *tāru* of *bhaṭṭavṛitti* land in *Mahēndramangalam* in *Tōṭṭiyam śīma*, *Gōpāla-swāmin*'s garden;  $4\frac{1}{2}$  half-*mās* and 2 *tārus* in *Kṛishṇāpuram*;  $4\frac{1}{2}$  half-*mās* and 1 *tāru* in *Kārakkāḍu*; 2 *śeys* of wet land in *Kōṇḍayampēṭṭai*; 8 *śeys* of wet land in *Maṅgamambāpuram* in *Tiruchendurai śīma*; 16 *śeys* of wet land in *Ariyūr* in *Tinniyam śīma*; 6 *śeys* of wet land in *Ariyamangalam* in the South *Kōṇḍu śīma*,

Ll. 28-31. 1 *śey* of land on both banks (of the *Kāvēri*)<sup>4</sup> and the right of collection of some tolls for the daily offerings of 4 *paḍis* of rice for 2 *taḷigais* of cooked food, 2 *śōśais*, 2 *atirasams*, 1 *sugiyān* and  $\frac{1}{4}$  *paḍi* of oil for lights, to the god in the *Jambukēśvaram* temple.

Ll. 32-35. The deed having thus been settled and made for the above purpose, you and your line of disciples on the pontifical throne shall enjoy the lands and protect the charities as long as the sun and the moon run their course (*i.e.* for all time) and grant me your blessings.

Ll. 36-41. Admonitory verses.

Ll. 41-44. My respectful prostrations to those princes of my line as well as others of *ahipativamśa* who, being actuated by lofty ideas of charity, preserve my endowment.

Signature of *Vijayaraṅga Chokkanāthanāyanayya*.

<sup>1</sup> Read °सुखल°.

<sup>2</sup> Read °रन्ति.

<sup>3</sup> [*Santarpana* seems to be here used in the popular sense of 'sumptuous meal'; see Kittel, *s.v.*—H. K. S.]

<sup>4</sup> [Here again the author and Mr. Gopinatha Rao have not clearly understood the passage, the latter remarking that 'a portion of the passage is somewhat obscure. This was on account of the wrong reading in l. 31. As corrected the passage means: one *ga* (*i.e.* *varāṅga*, above, Vol. VIII, p. 130) from the tolls daily as per arrangement, and (one) *tām* of paddy from each *śey* on either bank (of the river *Kāvēri*) for etc.—H. K. S.]

29, 40, *Sailatikha*; vv. 13, 34, 41, *Indravajrā*; vv. 16, 18, 38, *Mālinī*; vv. 17, 39, *Pushpitāgrā*; vv. 19, 21, 26, 28, 31, 37, *Upajāti*; v. 47, *Dōdhaka*; v. 72½, *Mandākrantā*; vv. 43½-46, 84½, 208½-209½, *Gītī*.]

[N.B.— Letters enclosed in round brackets are meant to be omitted.]

*First Plate: Second Side.*

- 1 श्रीवेङ्कटेशायनमः । [1\*] यस्य संपर्कपुण्येन ना-
- 2 रीरत्नमभूत्प्रिया<sup>2</sup> । यदुपास्यं सुमनसां तद्वस्तु-<sup>3</sup>
- 3 इमाश्रये । [1 1\*] यस्य द्विरदवक्तायाः पारिषदाः परशतं<sup>3</sup> ।
- 4 विघ्नं निघ्नन्ति भजतां विघ्नक्षेपनं तमाश्रये । [1 2\*] हरेर्जीला<sup>4</sup>

Lines 5-110, containing verses already printed in the *Mārōḍapalli Grant* (Vol. XI, No. 34) and the *Padmanōri Grant* (see above, p. 292), are omitted.

*Fourth Plate: First Side.*

- 111 मेरुल[चि]यशोभरः<sup>5</sup> । [1 85\*] सिष्टसंरक्षण[प]रो दुष्टशा-
- 112 दालमहंनः<sup>6</sup> । परोभगंडभेसंडो हरिभक्तिसुधानिधिः । [1 86\*] इत्या-
- 113 दिविरुदैर्देदितया नित्यमभिष्टुतः । जयजोवेतिवादि[न्य]<sup>7</sup>
- 114 जनितांजलिबंधया । [1 90\*] कांभोजभोजकासिंगकरहाटादिपा-
- 115 र्त्तिवेः<sup>8</sup> । प्रतिहारपदं<sup>9</sup> प्राप्तेः प्रस्तुतस्तुतिघोषणः । [1 91\*] सोयं निति-<sup>10</sup>
- 116 जितादिभूपतिततिसुखामशाखी सुधीः सार्त्तानां भूजतेजसा<sup>11</sup>
- 117 स्ववशयन् कर्णाटसिंहासनं । चासितोरपि चाहिमाद्रि विम-
- 118 तान् संचत्त्व शासंभुदा<sup>12</sup> सर्वोर्वी<sup>13</sup> प्रचाकास्ति वेङ्कटपतिश्रोदे-
- 119 वरायापणीः । [1 92\*] व्योमनेत्रकंकवेंदुगणिते शकवत्सरे । वत्सरे
- 120 च विलंब्याशये म[1\*]सि आवणिनामनि<sup>14</sup> । [1 93\*] पक्षे वळ्ळे
- पुण्य[1\*]यां (1) हा-
- 121 दश्यां च महातिथौ । श्रीवेङ्कटेशोपादाज्वसंनिधौ<sup>15</sup> श्रेयसाक्षि-<sup>16</sup>
- 122 धौ । [1 94\*] नानाशाखाविधा<sup>17</sup> गोचसूत्रेभ्यशास्त्रवित्तया । विख्यातेभ्या<sup>18</sup>
- द्विजाति-
- 123 [भ्यो] वेदविभो<sup>19</sup> विशेषतः । [1 95\*] विख्यातश्रीतिरुवडिदेसे<sup>20</sup> वसतिमा-
- 124 श्रुतं<sup>21</sup> । अंजरकरसमुक्तिनाडुकेपि च विद्युतं [1 96\*] कल्लणैकुरि-

<sup>1</sup> The *anuvāra* is used in addition to the *varga-pāñchama* in this and all subsequent instances. Read °पुष्कोन.

<sup>2</sup> Read °प्रिया.

<sup>3</sup> The *anuvāra* is employed instead of the final *m* here and in subsequent pages.

<sup>4</sup> Read °जीला.

<sup>5</sup> Read °लहि°.

<sup>6</sup> Read द्विष्ट; प in परो is corrected from पु; read °मार्दूलमहंनः.

<sup>7</sup> Read न्या.

<sup>8</sup> Read °पार्ष्णिषे.

<sup>9</sup> Read °पदं.

<sup>10</sup> Read जीति.

<sup>11</sup> Read सुधीसाधानां भुज°.

<sup>12</sup> Read शासंभुदा.

<sup>13</sup> Read प्रचाकास्ति.

<sup>14</sup> Read श्रावण°.

<sup>15</sup> Read °उपादाज सन्निधौ.

<sup>16</sup> Read श्रेय.

<sup>17</sup> Read °भिधा.

<sup>18</sup> Read विख्यातेभ्यो.

<sup>19</sup> Read विभो.

<sup>20</sup> Read श्रे.

<sup>21</sup> Read श्रुतं.

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 Public Library, New South Wales, Sydney.

- 125 चिग्रामकीव्यिडाहे च विभ्रुतं । तद्वैर्यष्टमकषाह[शि]मांतस्था[पि]-  
 126 तोपलात् ।। ५७\* ] तत्कीमान्ते[लु]पयडित्तिडराय्येकतस्तलात्<sup>१</sup> । प्राचीसु-  
 127 त्तरावाहिन्यास्तान्नपण्या[ः]\* श्रीतं<sup>२</sup> दिशं ।। ५८\* ] त[ड्वे]पीमडिकुल्या-  
 यास्तान्नप-  
 128 र्णीतडस्थितात्<sup>३</sup> । वृक्षवाटाच्च कुदिरेयो[द्य]भिख्यासुपेयुषाः<sup>४</sup> ।। ५९\* ] यत्तालन-  
 129 [लूसी]मांतसिलया<sup>५</sup> दक्षिणां दिशं । श्रीकीडा[ल]कुरिष्याख्य(र)ग्रामसीमां-  
 130 चलादितं ।। ६०\* ] कुल्यायाः कीडालकुर्चिग्रामसीमांचलश्रितः<sup>६</sup> । श्रीचन-  
 131 लूश्रीमांतश्रीशंकरमाहापथात्<sup>७</sup> ।। ६१\* ] पश्चिमं विरवन[ल\*]लूपाम-

## Fourth Plate : Second Side.

- 132 सीमांतमार्गतः । श्रीमहरवनेकुरिग्रामसीमांचलस्थि-<sup>८</sup>  
 133 तात् ।। ६२\* ] संप्राप्तं कैलासनाथतटाकाहायवीं दिशं । कुसंगुडिग्रा-  
 134 म[व]र्यं(र)सीमात्<sup>९</sup>स्थापितोपलात् ।। ६३\* ] तत्कीमांचलपादर्यीडाख्यांभोनि-  
 135 र्गम[स्य]लात् । कुल्यायाः श्रीकंठडियंकालाराध्यभिधाशुषः ।। ६४\* ] श्री-  
 136 मत्कल्लणेकुर्चा<sup>१०</sup>ख्यग्रामवर्यस्य भास्वतः । शिलाया[ः]\* श्रीकी-  
 137 खवरंबुषष्टकषाहभूश्रितः<sup>११</sup> ।। ६५\* ] तडिचेरीसप्तमकंषाहया-<sup>१२</sup>  
 138 [ः]पी चोत्तरं । कैल्यासाङ्कुरचीमुपुवाख्यं[पु]त्तूरमाश्रितं ।। ६६\* ]  
 पेखं-  
 139 तुङ्गुङ्गेनिलमानामंगलसंयुतं । वेङ्गुङ्गीतिनामा[नं] ग्रामम[र]-  
 140 रामशोभितं ।। ६७\* ] विख्यातश्रीवीरभूपसमुद्रापरनामकं [ ] [स]-  
 141 र्वमान्यं चतु[ः]सीमासंयुतं<sup>१३</sup> च समंततः ।। ६८\* ] निदिनिक्षेपपाषाण-<sup>१४</sup>  
 142 सिद्धसाक्षजलान्वितं । अक्षिण्यागामिसंयुक्तं गणभोज्यं [स्म]भू-  
 143 रुहं ।। ६९\* ] वापीकूपतटाकैस्व<sup>१५</sup> कञ्जाराभैश्च संयुतं । पुचा-  
 पैचादिभिर्भो-<sup>१६</sup>  
 144 उग्रं क्रमादाचंद्रतारकं ।। ७०\* ] दानाधमनविक्रीतियोग्रं विनिमयो-  
 चितं ।। ७०\* ]  
 145 आसोत्काश्यपसंततौ चमतपःकंतुष्टविस्त्रे[र]श्रीरासुवहभाजना-<sup>१७</sup>

<sup>१</sup> Read सी.<sup>४</sup> Read °तठ°.<sup>७</sup> Read °श्रितम्.<sup>१०</sup> Read ल.<sup>१३</sup> Read °कषाहया°.<sup>१६</sup> Read °य कषा°.<sup>२</sup> Read °स्त्रीभ्रतस्तलात्.<sup>५</sup> Read यः.<sup>८</sup> Read °नलूसीमान° and महा°.<sup>११</sup> Read °कुर्चाख्य°.<sup>१४</sup> Read °चतुसीमा°.<sup>१७</sup> Read °पुत्रपीचादि°.<sup>३</sup> Read श्रितं.<sup>६</sup> Read °शिलाया दक्षिणा दिशम्.<sup>९</sup> Read °विरवनकुरिग्रामसीमांचल°.<sup>१२</sup> Read °षष्ठकषाहभूश्रितम्.<sup>१५</sup> Read निधि°.<sup>१८</sup> Read तपस्सुष्टविस्त्रेवर रुहं°.

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| Prince of Wales Museum Library, Bombay.             |   |

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## No. 13.—THE INSCRIPTIONS ON THE BIMARAN VASE.

BY F. E. PARGITER.

This vase was found by Masson in the village of Bimaran in the course of his excavations in Afghanistan during the years 1834-7. When excavating "Tope no. 2" he found in its centre a small apartment containing relics. "They consisted of a good-sized globular vase, of alg or steatite, with a carved cover or lid, both of which were encircled with lines of inscriptions scratched with a stylet or other sharp-pointed instrument. The characters were Bactro-Pali. On removing the cover the vase was found to contain a small quantity of fine mould, in which were mingled a number of small burnt pearls, beads of sapphire, crystal, etc. In the centre was standing a casket of pure gold; . . ."—that is, apparently, not inside the vase, but in the centre of the small apartment.<sup>1</sup> Bimaran appears to be in the neighbourhood of Jallalabad. The vase is now in the British Museum.

Two early attempts to decipher the inscriptions were made,<sup>2</sup> and Dowson reconsidered them in 1863.<sup>3</sup> M. Senart published some notes upon them.<sup>4</sup> Dr. Fleet had three photographs taken of the vase and its inscriptions, satisfactory ink-impressions being hardly possible, because the letters are scratched in the stone and the vase has suffered sundry scratches besides, which tend to interfere with the appearance of the letters. The photographs are reproduced in the annexed plate. Fig. III shows the inscription on the cover, and figs. I and II give side views of the vase and together display the whole of the side inscription, which runs a little more than three-quarters round it. I have inspected the vase and compared the photographs carefully with the original inscriptions.

The vase is carved out of brownish-grey stone. Its height is 5·3 inches (15·7 cm.), and its greatest width 5·4 inches (15·9 cm.). It consists of a body and a separate lid or cover. In the underside of its base an oblong mortice has been cut, 1 inch (26 mm.) long,  $\frac{2}{3}$  inch (16 mm.) wide and  $\frac{1}{8}$  inch (5 mm.) deep, which was evidently meant to receive a tenon to hold the vase. In the mortice are remains of vermilion colour.

The two inscriptions are in Kharoshthi characters, which are not well made because the scratching tool seems to have slipped in places and distorted some of them. I call the inscription on the lid (fig. III) inscription A, and that around the vase B. The latter begins at the extreme right of fig. I and is continued into fig. II, where the first two letters are a repetition of the last two in fig. I.

The main feature that requires notice is the sign for subscript *r*, a rightward stroke or curve at the bottom of the main letter. It is applied to *g* in *bhagavata* in A and B, but is not a real *r*. It is also applied to *t*, not only in *putasa* in A and B, but also in *rachhitasa* in A and B, and *bhagavata* in B (though not apparently in A); and in these two words there can be no *tr*. Further, it is applied to *r* itself in *rachhitasa* in B, where of course it is impossible. It is clear therefore that the stroke or curve has no significance as a letter in these two inscriptions, and is a mere peculiarity or flourish. Hence it means nothing when applied to *t* in *niyatide* in B.

<sup>1</sup> *Ariana Antiqua*, pp. 69, 70. The vase and both its inscriptions are figured there on plate II, after p. 54. The gold casket is described pp. 41, 71.

<sup>2</sup> By Edward Thomas in his edition of Prinsep's *Indian Antiquities*, vol. I, pp. 105-8. By General Cunningham in *JASB*, XXIII, p. 707.

<sup>3</sup> *JRAS*, vol. XX, p. 241, with a transcript of both inscriptions in plate III, opposite p. 222.

<sup>4</sup> *Journ. Asiat.*, sér. VIII, vol. XV (1890), p. 133: sér. IX, vol. IV (1894), p. 514.

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## TEXT.

## A.—On the lid.

Bhagavata śarirehi Śivarachhitasa Mumjanamda-putasa dana-muhe.

## B.—Around the vase.

Śivarachhitasa Mumjavada-putasa dana-muhe niyatide Bhagavata śarirehi sarva-Budhana puyae.

## TRANSLATION.

## A.—On the lid.

With relics of the Lord; of Śivarachhita, son of Mumjanamda, the head of gifts.

## B.—Around the vase.

The head of gifts of Śivarachhita, son of Mumjavada, is bestowed; with relics of the Lord; for the veneration of all Buddhas.

## NOTES.

The father's name is written differently in the two inscriptions. *N* in A seems to be a *v* with the top omitted, and the proper form would seem to be *Muñjavanda*.

*Niyatide*. The last letter is not well formed, but seems to be *de*. This word plainly agrees with *dana-muhe*, and its termination therefore should also be *e*. *Niyatide* no doubt = *niyatite*, i.e. *niyyātītē*, "bestowed." *Niyyatita* = Sanskrit *niryātita*,<sup>1</sup> which occurs in the *Divyāvadāna* and appears in Pali in the verb *niyyādēti*.

*Dana-muhe*. This is clearly a nominative, and the question that arises is, what does *muhe* represent and mean? I have had the great benefit of discussing this expression with Dr. F. W. Thomas and Professor Macdonell, and offer the following explanations of it.

As regards its form, *h* in Prakrit is often a degenerate *kh*; *kh* may represent either an original Sanskrit *kh* or a weakened Prakrit *kkh*; and Prakrit *kkh* may represent Sanskrit *ksh* and Sanskrit *khy*. Pischel gives instances of the full change from *ksh* to *h* in his Prakrit Grammar, § 323, but none, so far as I have seen, of that from *khy* to *h*. The want may be due to the fact that the latter process is much rarer than the former; still analogy would indicate that there would be no difficulty in the modifications *khy* > *kkh* > *kh* > *h*; and Dr. Thomas agrees in this view. Hence *muha* might represent *mukha*<sup>2</sup> or *mukhya*, and *dana-muha* would = *dāna-mukha* or *dāna-mukhya*.

*Dana-muhe* is obviously a substantive and not an adjective, and so must be a tatpurusha compound and not a bahuvrīhi. Hence the question for decision is, what is the meaning of *dāna-mukha* and *dāna-mukhya* as tatpurushas, that is, what meanings have *mukha* and *mukhya* as the final members of a tatpurusha.

M. Senart discussed *dāna-mukha* with reference to the inscriptions in which it occurs and, while rendering it "moyen, objet d'aumône," doubted whether it had any difference in

<sup>1</sup> So M. Senart took it, *Journ. Asiat.*, sér. VIII, vol. XV (1890), p. 133.

<sup>2</sup> So M. Senart has taken it, *Journ. Asiat.*, sér. VIII, vol. XV (1890), p. 133.

- 146 हुणनिधेः श्रीनागप्र[स्त्री]पतेः<sup>1</sup> । चोराब्धेरिव चंद्रमाः कुवलयानं[दा]-  
 147 [न]संधायकः सौम्य[ः]श्रीवरविस्वनाथनृपति[ः]\*<sup>2</sup> सर्वज्ञचू[डा]मणिः ।[७१३]\*]प्र-  
 148 ख्यातश्रोस्तिस्वडिमहीपांचवाणादिरायप्राग्रानन्यामपि<sup>3</sup> रणमु-  
 149 खे पार्थिवानासु जित्वा [\*] तत्तस्तीमान्निजभुजबलादाहरन्विस्वनाथ-<sup>4</sup>  
 150 क्षोणीपालोभजत मदुराराज्यसाम्राज्यलक्ष्मीः<sup>5</sup> ।[७२३]\*] तस्मादजायत मनो-  
 151 जवस[\*] स्वकीर्त्या विख्यातकृष्णनृपतिर्विजिताभियातिः । वि-  
 152 क्रांतिनीति[धि]षणाप्रितिसंपदा यः । (यः) स्तुत्याश्रयोभजत<sup>6</sup>  
 153 दक्षिणनायकत्वं ।[७३३]\*] पत्मेव पत्तनाभस्य पुरारेरिव(१) पार्व[ति]<sup>7</sup>

*Fifth Plate : First Side.*

- 154 पवित्रचरिता तस्य पत्नी लक्ष्यविक्रामवत्<sup>8</sup> ।[७४३]\*] <sup>9</sup>[त]योः प्राचीन-  
 155 पुण्यानां परिपाकविशेषतः । विनयो<sup>10</sup>दार्यनयभूरुदभूहीर-  
 156 भूपतिः ।[७५३]\*] श्रीमत्सौंदरनायकस्य महति श्रेयोनिधौ संग्रिधौ (१)

नाना-

- 157 चित्रविशेषभूषितसिलास्तंभोक्तसंश्रुतपं<sup>11</sup> । मोनाच्याः <sup>12</sup>कवं-  
 158 चं सुरम्यचित्रं हेमं<sup>13</sup> च निर्माय याः<sup>14</sup> पूजास्त्रावहदुत्तरोत्तरतया  
 159 साम्राज्यमव्या[ह]तं ।[७६३]\*] हेमाश्रवं हेमगर्भं कनकमणितुलापूरवं<sup>15</sup>  
 160 विश्वचक्रं ब्रह्मांडं<sup>16</sup> गोसहस्रं कनक[क\*]रिरथं कांचनीं कामधेनुं ।  
 161 सप्तांभोधी(नं)गिरययाश्वरथमपि महाभूतपूर्वं घटं च (१) श्रवणं-<sup>17</sup>  
 162 चमां रत्नधेनुं व्यतनुत विधिवद्दीरभूपालवर्यः ।[७७३]\*]सचीव<sup>18</sup> त्रिदशे-  
 163 द्रस्य शीतांशोरिव रोहिणी<sup>19</sup> । सधर्मिण्यभवत्तस्य सतीं तिम-<sup>20</sup>  
 164 लाबिका ।[७८३]\*] विरभूरमणादश्व<sup>21</sup> वरकृष्णमहीपतिः । देवक्या-  
 मिदिरा-<sup>22</sup>  
 165 जानिर्वसुदेवादिवोदभूत् ।[७९३]\*] जैत<sup>23</sup>श्रीवसतिर्जयंततनुभूचंद्राभिरा-<sup>24</sup>

<sup>1</sup> Read पुरवी°.

<sup>2</sup> Read विश्व.

<sup>3</sup> The Madras Museum Plates, No. 14 of 1906, read :—°तिस्वडिमहापांचवाणादिरायप्राग्रानं°.

<sup>4</sup> Read पार्थिवानासु जित्वा । तत्तस्तीमान्निजभुजबलादाहरन्विश्व°.

<sup>5</sup> Read मदुराराज्यसाम्राज्यलक्ष्मीम्.

<sup>6</sup> Read विजिताभिनौतिधिषणाप्रितिसंपदयस्तुत्या°.

<sup>7</sup> Read पत्मेव पत्तनाभस्य पुरारेरिव पार्वती°.

<sup>8</sup> Read लक्ष्यविक्रामा.

<sup>9</sup> The त in तयोः seems to be corrected from some other letter.

<sup>10</sup> Read ली.

<sup>11</sup> Read °शिलास्तंभोक्तसंश्रुतपं.

<sup>12</sup> Read कवं°.

<sup>13</sup> Read हेमं.

<sup>14</sup> Read यः पूजाया°.

<sup>15</sup> Read °पूरवं.

<sup>16</sup> Read ब्रह्मांडं.

<sup>17</sup> Read श्रवणं.

<sup>18</sup> Read सचीव.

<sup>19</sup> Read ली.

<sup>20</sup> Read सती तिमलाबिका.

<sup>21</sup> Read वीरभूरमणादश्वी.

<sup>22</sup> Read °मिदिराजानिर्व°.

<sup>23</sup> Read जैत.

<sup>24</sup> Read भूचंद्रा°.

The Inscriptions on the Bimaran Vase.

B



B



- 166 माकृति(१)र्विज्ञातामितनीतिशास्त्रविततिवीरोत्तमासंज्ञतिः<sup>१</sup> । नित्या-  
 167 कल्पित[त]नैकपौडसमहादानीकृतिर्दीव्यति<sup>२</sup> श्रीवीरचित्तिपा-  
 168 बुधेरुडुपतिः श्रीकृष्णपृथ्विपतिः<sup>३</sup> ।[॥ ८०३\*] विष्णोत्कृष्टविचित्ररत्नक-  
 169 वचो(f)णीषां(षा)य[र](f)पोतांबरघोवाकल्पकिरोटकुंडलकटीसूत्रा-  
 170 दिभूषार्पणैः । ग्रामारामरथोत्सवप्रतिदिनप्रत्ययकैकर्यतः (१)  
 171 [प्रो]तो रंगपनिर्ददाति महितां यस्मै श्रीयं भूयसी [॥ ८१३\*] प्रीतो  
 दीपच-  
 172 ये प्रतापमधिकं श्रीराभिषेके कृते (१) कीर्तिं<sup>४</sup> 'पूर्णमनोरथावय-  
 173 महेष्ट्याकल्पवासस्तृती । अत्राकल्पनिवासमप्युत्तमणिस्तं-  
 174 मे जयस्तंभमप्युच्चैः<sup>५</sup>स्त्रीदरनायकस्तमुचितं यस्मै दिशत्यन्वहं<sup>६</sup> [॥ ८२३\*]  
 175 भास्वति प्रकटशारदीदये यत्र कांचनतुलां संमंचति<sup>७</sup> । पूरिता-  
 176 श्रमवनीमपंकिलां संचरन्ति विमलाशिरं द्विजाः ।[॥ ८३३\*] बुदयन्धिरः<sup>८</sup>

*Fifth Plate : Second Side.*

- 177 ख्यगर्भादुदधेः कृष्णदुरमितवसुधर्षो । पोषितबुधः कला-  
 178 वां<sup>१०</sup> कलयति दानांबुधनतरानम्बोन् ।[॥ ८४३\*] स्वर्धेन्वंबुधिकाल्पशा-  
 खिन [६]-  
 179 ह स्त्रैरं धरामंडले विष्णुविश्रुतकीर्ति<sup>११</sup>यः परममी विश्राणनश्रे-  
 180 यसीं [\*] विश्रवाणपरेण येन [त\*] इमे विश्राणिताः प्रत्यहं तस्मा-  
 द्विष्म[य\*]नी-  
 181 य[दा]नविधिना कर्णादयः<sup>१२</sup> किं समाः ।[॥ ८५३\*] मंत्रैर्जीवनमभ्युपेत्य वर-  
 182 दास्यत्यर्चनादेवता यामैर्नाकचरास्ततं<sup>१३</sup> चितिसुरा देवाधिका वैदि-  
 183 काः । तस्माद्देवशतप्रतिष्टि<sup>१४</sup>तिमुशत्येकद्विजस्तापना<sup>१५</sup>मित्येष  
 184 श्रुतिमश्वाररचनारक्षे कृते येन किं ।[॥ ८६३\*] देशेस्त्रिं कृतसर्वमान्यः<sup>१६</sup>  
 185 कतया षट्कर्मनिष्ठा<sup>१७</sup> द्विजा देवातिथ्यविधेः<sup>१८</sup> सदाशिवि रता य[स्त्रे]-  
 186 ति नैवाहुतं । तत्तद्रूपकरप्रदानकक्षितक्षेत्राधिनिर्माचकक्षे[र\*]-  
 187 द्यहानवनान्यदेशधरणीदेवाश्रिणीचैःत्रियः ।[॥ ८७३\*] वाहिन्य[र\*] कलिता-  
 188 अथे सति परं वाहिन्यधीशाश्रयो नागाध्यासिनि संत नागतिस-

<sup>१</sup> Read °विततिवीरो°.

<sup>४</sup> Read श्रियं.

<sup>७</sup> Read दिशत्यन्वहम्.

<sup>१०</sup> Read दानं.

<sup>१३</sup> Read °चरास्ततः°.

<sup>१६</sup> Read °किं कृतसर्वमान्य°.

<sup>२</sup> Read °वीरकृष्णमहादानीकृति°.

<sup>५</sup> Read पूर्ण°.

<sup>८</sup> Read संमंचति.

<sup>११</sup> Read °कीर्तयः°.

<sup>१४</sup> Read द्वि.

<sup>१७</sup> Read °निष्ठा°.

<sup>३</sup> Read पृथ्वी.

<sup>६</sup> Read °हं°.

<sup>९</sup> Read बुदयन्धि°.

<sup>१२</sup> Read कर्णादयः°.

<sup>१५</sup> Read °स्तापना°.

<sup>१८</sup> Read °देवातिथ्यविधी°.



SCALE FIVE-SIXTHS

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444	... ॐ नमो भगवते वासुदेवाय ॥ ३ ॥	444
446	... ॐ नमो भगवते वासुदेवाय ॥ ३ ॥	446
448	... ॐ नमो भगवते वासुदेवाय ॥ ३ ॥	448
450	... ॐ नमो भगवते वासुदेवाय ॥ ३ ॥	450
452	... ॐ नमो भगवते वासुदेवाय ॥ ३ ॥	452
454	... ॐ नमो भगवते वासुदेवाय ॥ ३ ॥	454
456	... ॐ नमो भगवते वासुदेवाय ॥ ३ ॥	456
458	... ॐ नमो भगवते वासुदेवाय ॥ ३ ॥	458
460	... ॐ नमो भगवते वासुदेवाय ॥ ३ ॥	460
462	... ॐ नमो भगवते वासुदेवाय ॥ ३ ॥	462
464	... ॐ नमो भगवते वासुदेवाय ॥ ३ ॥	464

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[illegible]

510	... (text) ...	580
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514	... (text) ...	514
516	... (text) ...	516
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522	... (text) ...	522
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*Dana-mukha* then, if it represents *dāna-mukhya*, would certainly mean "a choice gift." If it represents *dāna-mukha*, that meaning cannot definitely be given to it. I cannot but think that *dāna-mukha* denotes something more particular than simple *dāna*. It can be a tatpuruṣa compound; for *mukha* occurs as the final member of such compounds, as in the word *āya-mukha*, that Dr. Thomas cites from the *Kauṭīliya-Arthaśāstra*, and also in the words *divasa-mukha*, *ṛitu-mukha*, and *yajña-mukha*. Since *mukha* means "beginning, commencement," in these three expressions, and has also the meaning "the chief, principal, best," as well as "head, heading," *dāna-mukha* can literally mean "the commencement of gifts" (implying perhaps that it was the first gift made), or "the chief or best of gifts"<sup>1</sup> (implying perhaps that it was the best gift made), or again what Dr. Thomas has suggested, as already noticed. At present its exact sense is uncertain, and it may be best to render it provisionally by some general expression that combines the above meanings without attempting precision, and so I have translated it as "the head of gifts."

#### NO. 14.—THE FIRST ĀRYA-SIDDHANTA

THE "ĀRYABHATIYA," OR "LAGHU-ĀRYA-SIDDHANTA" OF ĀRYABHATA, A.D. 499.

WORKING TABLES FOR CALCULATION BY THE TRUE, OR APPARENT,  
MOTIONS OF SUN AND MOON.

BY ROBERT SEWELL (I.C.S., RETIRED).

("Indian Chronography," continued from Vol. XV above, p. 245.)

286. My last article (*Epig. Ind.*, Vol. XV, pp. 159-245) provided working Tables for verifying dates according to the requirements of the *Siddhānta-sirōmaṇi*; the present one provides similar Tables for the *First Ārya-Siddhānta*. These Tables are framed so as to correspond to those published in the *Indian Calendar*, which, for luni-solar computation, generally followed the *Sūrya-Siddhānta*.

Since amongst the ancient historical records yet discovered in India by far the larger number comes from Southern India, where the *Ārya-Siddhānta* has retained its place in popular favour throughout the centuries, it is plainly necessary to provide Epigraphists with information which will allow them to test with scientific accuracy, and according to the requirements of that authority alone, the details of documentary dates. It is probable, as I have already more than once insisted, that a number of records whose dates might have been found correct had they been computed by the *Ārya-Siddhānta* have been set aside as irregular or of doubtful accuracy because their examination was conducted solely by *Sūrya-Siddhānta* Tables.

No pains have been spared to render the information that follows scientifically correct. But we do not yet know how far, or in what tracts or in what periods, the by-gone framers of local almanacs adhered strictly to rule; or used other sets of Tables for their guidance; or worked by whole numbers alone, discarding fractions; or made their calculations in true or apparent time instead of, as in these Tables, in mean or clock time. We have, moreover, as yet no definite information as to at how late a date calculations were made by the sun's and moon's mean movements as opposed to their true or apparent movements; nor do we know with any certainty the boundaries of the tracts within which the different rules governing the civil beginnings of solar

<sup>1</sup> This seems to me the most probable meaning.

- 189 कावासात्रयी सत्वरं । आरुढे तुरगं समं तुरगमारुढसमा-  
 190 जो रिपुष्मापानां तदपि प्रधावति भृशं यस्मिन्<sup>1</sup> रणोद्योगिनि ।[। ८८<sup>१</sup>\*]  
 तस्य  
 191 [दा]नधुरिणस्य<sup>2</sup> तद्व्यादित्यतेजसः । तरवारिलताकोटितांड-  
 192 वोद्यज<sup>3</sup> यन्त्रियः ।[। ८९<sup>१</sup>\*] स्तुतिमागधपांश्वीचिरबोकादिभूभृतः । श्रीदक्षि-  
 193 णसमुद्रेशप्रख्यातविरुद्धोऽन्ते<sup>4</sup> ।[। ९०<sup>१</sup>\*] तादृक्<sup>5</sup> चतिरुवडिसतांगहृ-  
 194 णीजसः ।[। ९१<sup>१</sup>\*] वरवीरमहीपालवाराकरसुधानिधेः । श्रीमत्तिरु-  
 195 'मलांबयाश्चिरपुंष्यफलात्मनः'<sup>6</sup> ।[। ९२<sup>१</sup>\*] विख्यातकृष्णभूपस्य विज्रति-  
 196 मनपालयं<sup>7</sup> । परीतः प्रयतैस्त्रिगुणैः<sup>8</sup> पुरोहितपुरोगमैः ।[। ९३<sup>१</sup>\*] विविधै-  
 197 र्विबुधैः<sup>9</sup> श्रैतपथिकैरधिर्कैर्ग<sup>10</sup> । वीरश्रीवैकट[प]तिमहाराय-  
 198 महोपतिः ।[। ९४<sup>१</sup>\*] सहिरं<sup>11</sup>पये[धा]रापूर्वकं दत्तवान्मुदा ।

*Sixth Plate : First Side.*

- 199 सोयं कृष्णसहीपालः सुचाम(र)समवैभवः ।[। ९५<sup>१</sup>\*] साहित्यर-  
 200 ससाम्रा[ज्य]भोगभोजमहीपतिः । कैयोत्तान्कुर(फ)चीसुपुवाण्यं पु-  
 201 त्रमाश्रितं ।[। ९६<sup>१</sup>\*] समानामंगलग्रामं कक्षणेकुरुचिस्थले । सकं-  
 202 नडियकाव्योक्तुपेरुपत्तुकुडैयलं ।[। ९७<sup>१</sup>\*] इमं श्रीवीरभूपसमद्राप-<sup>12</sup>  
 203 रनामकं<sup>13</sup> । वेङ्कगोक्तीति विख्यातं ग्रामं सस्योपशोभितं ।[। ९८<sup>१</sup>\*]  
 सहस्र[सं]-  
 204 ख्यया पंचोत्तरचिगतयुक्तया । विख्यातेभ्यो द्विजातिभ्यो वेद[वि]-  
 205 क्तो विशेषतः ।[। ९९<sup>१</sup>\*] जनपंचकभाष्यैकवृत्तिसंख्याक्रमोचितं । क[त्वे]-  
 206 कष(फ)श्रुत्तरद्विष नीठत्तिमदा<sup>14</sup>मुदा ।[। १००] वृत्तिमंतोच लिख्यंते वि-  
 207 प्रा वेदात्तपारगाः<sup>15</sup> ।[। १००<sup>१</sup>\*] याजुषो वंगवीटिश्रीभोगीश्वरबुधात्मजः ।  
 208 चतुरंसी<sup>16</sup> विज्ञनाथो वृत्ती हरितगोचजः ।[। १०१<sup>१</sup>\*] भारद्वाजाश्वयोदूत-

\* \* \* \* \*

*Sixteenth Plate : Second Side.*

552 वृत्तावेकमंशमनमा च समरुते<sup>10</sup> ।[। ११२<sup>१</sup>\*] राजभिषिञ्चनार्थेद्र-

<sup>1</sup> Read यक्षिण्यो.

<sup>2</sup> Read धुरीणस्य.

<sup>3</sup> Read ज.

<sup>4</sup> Read वृत्तिः.

<sup>5</sup> Read दृक्. [This the Plate really reads.—F. W. T.] [The Padmaneri grant (above, p. 295, l. 161) reads

t. Pañchar-Tiruvadi.—H. K. S.]

<sup>6</sup> Read मलांबया.

<sup>7</sup> Read पुण्य.

<sup>8</sup> Read मनुपालयन्.

<sup>9</sup> Read तैः विबुधैः.

<sup>10</sup> Read श्रैतपथिकैराणि गिरा.

<sup>11</sup> Read सहिरं.

<sup>12</sup> Read भूपालसमु.

<sup>13</sup> Read नामकम्.

<sup>14</sup> Read वेदान्.

<sup>15</sup> Read चतुरंसी.

<sup>16</sup> Read वृत्ति.

months were adhered to (*Ind. Calendar*, § 28). These remarks apply, of course, to all Tables or ephemerides yet, or to be, published, which can only confine themselves to the actual requirements of the Siddhānta concerned. Such matters are problems of the future, only to be solved after protracted enquiry and investigation. Dewan Bahadur L. D. Swamikannu Pillai gives it as his opinion (*Indian Chronology*, p. 70, § 169) that, while the *Ārya-Siddhānta* was used for solar computation, the authors of South-Indian pañchāngs in some cases carried out their lunar calculations, for the tithi, nakshatra, etc., by *Sūrya-Siddhānta* rule. This remains to be proved.

287. It is easy to understand how dates of documents, the details of which dates depend on the position of sun and moon, must often differ when calculated by different authorities. Taking only the *Ārya* and *Sūrya Siddhāntas* into consideration, it will be seen by Table A below that in 114 years out of the 850 with which the main Table LXI is concerned there were radical differences. In 66 of these years the samvatsara cycle-name of the whole year was different; in 33 years the intercalation and suppression of lunar months were different; and the day on which the luni-solar year began was different in 15 years.

Consider the year A.D. 1418-19, for instance, or Śaka 1340 expired. This year was, according to the northern system of nomenclature, called "Viśvāvasu" by the followers of the *Ārya*, but "Krōdhin" by those of the *Sūrya-Siddhānta*. In the same year there was, by the *Ārya-Siddhānta*, a suppression of the lunar month Māgha and an intercalation of Phālguna, while by the *Sūrya-Siddhānta* there was none such; so that a date correctly expressed in *Ārya-Siddhānta* reckoning in that year would seem entirely inaccurate when tested by *Sūrya-Siddhānta* Tables.

#### ARRANGEMENTS OF THE TABLES.

288. The principal working-Tables for computation of dates expressed in *First Ārya-Siddhānta* reckoning are Tables LXI to LXXI below. Tables LXI to LXX are disposed so as to correspond in rotation with Tables I to X of the "*Indian Calendar*," and have been framed in similar manner. This arrangement is adopted for the convenience of those who, during the last twenty years, have become accustomed to the processes of that publication.

Table LXI corresponds to Table I, "*Indian Calendar*."<sup>1</sup>

" LXII	"	"	"	II, Part II, " <i>Indian Calendar</i> ."
" LXIII A	"	"	"	III, Part I, " "
" LXIII B	"	"	"	" Part II, " "

[This Table is framed in a similar manner to Table XVIII A, "*Indian Chronography*," which it is intended to supersede.]

Table LXIV corresponds to Table IV, "*Indian Calendar*."

" LXV	"	"	"	V, " "
" LXVI	"	"	"	VI, " "
" LXVII	"	"	"	VII, " "

[Tables LXVI A, LXVII A give closer details than do Tables LXVI, LXVII, and are to be used for very accurate calculation in doubtful cases.]

Table LXVIII corresponds to Table VIII, "*Indian Calendar* "

" LXIX	"	"	"	IX, " "
" LXX	"	"	"	X, " "

<sup>1</sup> Because of this intentional correspondence the years of Indian eras quoted in cols. 1 to 4 are concurrent years, as in the "*Indian Calendar*."

- 553 [प्र]भुणा क[ण]भूभुजा । <sup>1</sup>वीरभूषेनाप्येरियनेनार्मुदलिनापि च [३३३\*]  
भट्टत्ती-<sup>2</sup>  
554 [वि] नैवास्मि[न्\*] देवब्रह्मठार्पिताः<sup>3</sup> [१\*] कण्ठेरेणार्पितास्त्वसु[द]यास्त्वज-  
न्म[ना]ः<sup>4</sup> । [३३४\*]

*Seventeenth Plate : First Side.*

- 555 श्रीवेङ्कटपतिरायक्षितिपतिवर्यस्य की[ति]धुर्यस्य । शास-  
556 नमिदं सुधीजनकुवलयचन्द्रस्य [भू]महेंद्रस्य । [३३५\*] [श्री]वेङ्कटपतिरा-  
557 यचमापनिदेशेन<sup>5</sup> शासनशोकान् [१\*] कणकविक्रामकोटिस्सर-  
558 समभाणो[त्स]भापतेः पीतः । [३३६\*] श्रीवेङ्कटमहारायसूक्त्या गणप-  
559 यात्मजः<sup>6</sup> । श्रीवीरगमहाचार्यो व्यलिखितान्ममशासनं<sup>7</sup> । [३३७\*] दान-  
560 पालनयोर्मर्ज्ये दानात्त्रयेयोनुपालनं<sup>8</sup> । दानात्स्वर्गमवाप्नोति पा-  
561 ळनादच्युतं पदं । [३३८\*] स्वदत्ताद्दिगुणं<sup>9</sup> पुण्यं परदत्तोनुपालनं । प-  
562 रदत्तापहारेण स्वदत्तं नि[ष्क]लं भवेत् । [३३९\*] स्वदत्तां परदत्तां वा  
563 यो हरेत वसुंधरां । षष्टिर्वर्षसहस्राणि<sup>10</sup> वि[ष्टा]यां जायते  
564 क्रिमिः<sup>11</sup> । [३४०\*] एकैव भगिनी लोके सर्वेषामिव भू[भु]जा । न भोज्या  
565 न करग्राह्या विप्रदत्ता वसुंधरा<sup>12</sup> । [३४१\*] सामान्योयं धर्मसितुर्द-  
566 पाणां काले काले पालनीयो भवद्भिस्सर्वा[निता]न्माविनः<sup>13</sup> पा-  
567 र्थिवेन्द्राभूयो भूयो याचते रामचंद्रः [॥ ३४२\*] ॥ श्री ॥  
568 श्रीवेङ्कटेश [॥]<sup>12</sup>

#### ABSTRACT OF CONTENTS.

(Verse 1.) Adoration to Rāma's feet.

(V. 2.) Adoration to Vishvaksēna.

(V. 3.) Adoration to Varāha (Vishṇu).

(V. 4.) States that the Moon, born from the ocean of milk, is resplendent.

(Vv. 5-7.) From the Moon came in regular succession Budha, Purūrasas, Ayu, Nahusha, Yayāti and Pūru. In this family was born the king Bharata, and in his lineage Śantanu; the fourth after Śantanu was Vijaya (Arjuna); his son was Abhimanyu; his son was Parikshit; the eighth in descent from Parikshit was Nanda; the ninth from Nanda was Chalikka; Rājanarēndra was the seventh from Chalikka; the tenth from Rājanarēndra was Bijjalēndra; the third from him was Vira-Hemmalī-Rāya, the lord of Māyāpuri; and the

<sup>1</sup> Read 'भूषेन पेरिय'.

<sup>2</sup> Read 'वत्ती'.

<sup>3</sup> Read 'ब्रह्म'.

<sup>4</sup> Read 'यास्मि' [Perhaps the correct reading will be 'समुदायाद्भिज्जन्मा'—Ed.]

<sup>5</sup> Read 'व्यलिख'.

<sup>6</sup> Read 'दानात्त्रयेय'.

<sup>7</sup> Read 'दिगुणं पुण्यं परदत्तात्'.

<sup>8</sup> Read 'वसुधराम् षष्टि' वर्ष'.

<sup>9</sup> Read 'विष्टायां' and 'क्रिमिः'.

<sup>10</sup> Read 'वसुधराम्'.

<sup>11</sup> Read 'पालनीयो भवद्भिः' । सर्वा'.

<sup>12</sup> Written in Telugu-Kannada alphabet.

Table LXXI is taken from Tables XLI A and B, "*Indian Chronography*" (pp. 176, 177). It enables the week-day corresponding to the Hindu date under examination to be determined according to European computation.

Then follow three Tables by which the details given in the main Table LXI have been calculated. These are Table LXXII, which fixes the values of  $a$ ,  $b$ ,  $c$  (mean distance of moon from sun, moon's mean anom., sun's mean anom.) at the beginning of the centuries concerned; Table LXXIII, which gives the same information for the beginnings of odd years of centuries; and Table LXXIV, which provides, in combination with Tables LXXII and LXXIII, an easy method of arriving at the values of  $a$ ,  $b$ ,  $c$ , or the mean positions of sun and moon at mean sunrise on the first civil day of each luni-solar year. The system of work is the same as that of Prof. Jacobi.

Full particulars of the moon's equation of the centre will be found in the last Table LXXV.

#### ELEMENTS OF THE FIRST ĀRYA-SIDDHANTA.

289. This work was composed by Āryabhata at Kusumapura in A.D. 499, or the year 3600 (expired) of the Kaliyuga. About A.D. 638 a treatise called the *Dhī-vṛiddhi-da* was written by Lalla, who introduced a *bija*, or correction, affecting three of the principal elements of the Siddhanta. He seems to have reduced by about 10' in a century the moon's increase in her mean distance from mean sun (our " $a$ "); and he added about 36' in a century to the moon's mean anomaly (our " $b$ "); his third correction had reference to the planet Jupiter, with which at present we are not concerned. He did not make any change in the sun's mean anomaly (our " $c$ "). The *Karāṇa-prakāśa*, of date A.D. 1092, an authority largely used in Southern India, is based on Āryabhata's *Siddhanta* as amended by Lalla.

The Tables given below, which deal with the period A.D. 899-900 (K.Y. 4000 expired) to A.D. 1750-51 (K.Y. 4851 expired) include Lalla's corrections.

290. (i) The length of the sidereal solar year, according to the *Ārya-Siddhanta*, is 365·2586805 days, or 365<sup>d</sup> 6<sup>h</sup> 12<sup>m</sup> 30<sup>s</sup>.

(ii) Sines of angles are the same as those of the *Sūrya-Siddhanta*, based on a radius of (sin. 90° =) 3438'. The 24 base sines and equations of the sun's centre are given in my Table XLVII, Vol. XIV above. Those of the moon's centre in Table LXXV below:

(iii) For the sun's mean motion per day, hour, minute and second, see Table XLIV, Vol. XIV.

(iv) The circumference of the sun's epicycle is 13° 30'; that of the moon 31° 30'. There is no contraction of the epicycle in either case. (Jacobi, *Vol. I above*, p. 441.)

(v) There is no shift of the sun's apsis. The longitude of his perigee-point is always 258°; apogee 78°. In ten-thousandths of the circle the perigee is 7166·6.

(vi) The sun's equation of the centre at the moment of true Mēsha-samkrānti in every year, i.e. the moment when the true sun reaches celestial longitude 0°, is, according to Dr. Schram's calculation, 2° 6' 57"·323494885, or, in ten-thousandths of circle, 58·775644170<sup>1</sup>; the sun's mean longitude at the same moment being 357° 53' 2"·676505115, or, in ten-thousandths of circle, 9941·224355830; and his mean anomaly 99° 53' 2"·676505115, or, in ten-thousandths of circle, 2774·557689163.

<sup>1</sup> M. de Ries has worked this out quite independently, and his calculation agrees with that of Dr. Schram as far as the 6th decimal.

xviii a.

WHITTINGHAM &amp; GRIGGS, PHOTO-LITH.

(vii) For the sun's mean and true long. for every consecutive 24-hour period measured from the same moment (true Mēsha-saṁkrānti) readers are referred to Table XLVIII A (Vol. XIV above).

(viii) The sun's equation of the centre (*see above, Vol. XIV, Table XLVII*) is obtained by the formula  $\frac{3}{80} \sin. a$ . For sin. eqn. =  $\frac{\text{minutes in epicycle}}{\text{minutes in orbit}} \times \sin. a$ ,<sup>1</sup> where  $a$  is the sun's mean anom.; and here the minutes in the epicycle are 810', the circumference being 13° 30', and those of the orbit are 21600' (360°). Hence sin. eqn. =  $\frac{810}{21600} \sin. a$ , or  $\frac{3}{80} \sin. a$ . In all equations of the sun's centre, the angle being less than 3° 45', the eqn. is the same as the sin. eqn. (*below, § 294 ii*).

(ix) The moon's equation of the centre (*below, Table LXXV*) is obtained by a similar proportion. The circumference of the epicycle being 31° 30' or 1890', the working formula is sin. eqn. =  $\frac{1890'}{21600'} \sin. a$ , or  $\frac{7}{80} \sin. a$ ; but in this case, the sin. eqn. for all angles in the quadrant lying between 3° 45' and 7° 30', the equation does not equal the sin. eqn. The process for obtaining the former from the latter is fully set forth in § 294 below.

(x) The śodhya, or time-equivalent of the equation of the centre—in other words the interval of time between the moments of the true sun reaching long. 0° (true Mēsha-saṁkrānti) and mean sun reaching the same point (mean Mēsha-saṁkrānti)—is calculated by Dr. Schram as 2.146831 days, or 2<sup>d</sup> 3<sup>h</sup> 31<sup>m</sup> 26.1984. This differs a little from the accepted Hindu valuation 2<sup>d</sup> 3<sup>h</sup> 32<sup>m</sup> 30<sup>s</sup>. As the latter is believed to have been always taken in India as the śodhya value according to the *First Ārya-Siddhānta*, it is the value adopted in the present work.

(xi) According to this *Siddhānta* the Kaliyuga era began, or in other words K.Y. 0 expired or K.Y. 1 current began, with a conjunction at celestial longitude 0° of mean moon, mean sun, and the principal planets at the moment of mean sunrise at Laṅka on Friday, 18 February, B.C. 3102. That was the moment of mean Mēsha-saṁkrānti in that year. It was 0<sup>h</sup> 0<sup>m</sup> Laṅka time on that morning.

(xii) At that moment, and the same in every succeeding year, the sun's apsis (perigee being at long. 258°, his mean anom. (our "c") is (360°—258°) 102°, or, in thousandths of circle (our notation), 283.3̄.

(xiii) The moon's mean anom. (our "b") was 90°, or, in thousandths of circle, 250.

(xiv) Since mean moon and mean sun were at that moment in conjunction, the distance between them was nil. This is represented in ten-thousandths of circle by the completed circle 10,000. From this, in order to arrive at the exact value of our "a," must be deducted the sum of the greatest equations of ☾ and ☉. These are deducted for convenience of calculation, the respective quantities being added to "eqn. b" and "eqn. c," so that the working values may always be additive. The sum of these greatest equations I estimate at 199.115048361, in ten-thousandths of circle (*below, § 296*) 10,000 less this quantity = 9800.884951639. Hence at the beginning of the Kaliyuga—

$$a = 9800.884951639$$

$$b = 250$$

$$c = 283.3̄$$

<sup>1</sup> Above, §§ 251, 252, Vol. XIV, pp. 9-10; Jacobi (above), Vol. I, p. 441.





## CONSTRUCTION OF THE TABLES.

291. No special remarks are necessary except with reference to Tables LXIII B (lengths of solar months), LXVI A and LXVII A (Detailed "Equation b" and "Equation c"), LXVIII (Indices of tithis, etc.), and the three Tables LXXII, LXXIII, LXIV. The remainder are only duplicates of the similar Tables in the "*Indian Calendar*." (See "*Arrangement of Tables*," above, § 288.)

*Table LXIII B.—Lengths of the true solar months.*

292. M. Louis de Ries has been repeatedly quoted in these pages as a most careful calculator. Several years ago he kindly worked out for me an estimate of the lengths of the true solar months according to the *First Ārya-Siddhānta*, but did not inform me of the process by which he obtained his results. An entirely independent calculation has now been carried out, based on my own Table of the sun's true longitude for each 24-hour period of the solar year (above, Vol. XIV, Table XLVIII A)—a Table, let it be understood, prepared some years subsequent to M. de Ries' communication and to which he has never had access.<sup>1</sup> Comparison of results proves the accuracy of M. de Ries' figures, and these have been adopted without alteration in my Table. The complete agreement of our respective fixtures is really remarkable.

For example, M. de Ries found that the true sun, according to Āryabhaṭa as corrected by Lalla, reaches  $180^\circ$  of celestial long., the moment of the Tulā-samkrānti,  $186^d 21^h 21^m 37^s.82$  after the moment of true Mēsha-samkrānti, the astronomical beginning of the true solar year.

My own work for solution of this problem is as follows:—It will be seen from Table XLVIII A (above, Vol. XIV) that on that 186th day, i.e. after 186 periods of 24 hours each from the moment of true Mēsha-samkrānti, the true sun has to travel ( $180^\circ - 179^\circ 6' 55".21 =$ )  $53^\circ 4' 79"$  before reaching the Tulā-samkrānti point,  $180^\circ$ . Calculating by his actual velocity on day 186 (Table XLIX, Vol. XIV), the time required for him to accomplish this journey (using his true, not mean, velocity in minutes and seconds as well as in hours<sup>2</sup>) is found to be  $21^h 21^m 37^s.82$ ,—precisely M. de Ries' fixture. All the details given by M. de Ries have been similarly examined, and found correct.

Dewan Bahadur L. D. Swamikannu Pillai's estimate of the lengths of these months (*Indian Chronology*, Table II) differs somewhat from ours, the sun according to him arriving at each samkrānti always a little later than it does by our determination. The greatest difference between us is at the Tulā-samkrānti, which his Table shews to occur  $3^m 34^s.18$  later than the time yielded by our Table. Adding together the lengths of the twelve solar months as given by him, the length of the *Ārya-Siddhānta* year appears to be  $365^d 6^h 12^m 37^s$ , or 7 seconds longer than its accepted length.

*Tables LXVI A, LXVII A.—"Equation b" and "Equation c."*

293. In order to obtain the correct working equations of ☾ and ☊ from their respective mean anomalies it is only necessary in ordinary cases to use Tables LXVI, LXVII, which give the values of "eqn. b" and "eqn. c" roughly in whole numbers. For very close calculation, however, Tables LXVI A and LXVII A are provided, which give the exact

<sup>1</sup> It was published during the war.

<sup>2</sup> That is to say, dividing up the velocity per hour (Table XLIX) on that day into minutes and seconds, and not using Table L—which only states the sun's mean velocity.

fourth from him was **Tāta-Pinnama**. To **Tāta-Pinnama** was born **Sōmi-dēva**, who took from his enemies in the course of a single day seven forts. To **Sōmi-dēva** was born **Vira-Rāghava-dēva**, and to the latter, **Pinnama**.

(V. 8.) The son of **Pinnama**, the lord of **Āraviṭi-nagara**, was **Bukka-Rāja**; he consolidated the kingdom of **Sāluva-Nṛisimha**.

(Vv. 9-10.) **Bukka-Rāja** was married to **Ballāmbikā**; to these was born a son named **Rāma-Rāja**.

(Vv. 11-14.) This prince **Rāma-Rāja** conquered the army of **Sapāda**, consisting of seventy-thousand horses, and took from him the fort of **Avanigiri durga**,<sup>1</sup> driving away **Kāsapp-Oḍeya**. This king, who was a great devotee of **Vishṇu**, took the fort of **Kandanavōli durga** by the prowess of his arms; here he was poisoned by his relations, which did no harm to him. He had a queen named **Lakkāmbikā**. A son named **Śrīraṅga-Rāja** was born to them.

(Vv. 15-16.) The name of the queen of **Śrīraṅga-Rāja** was **Tirumalāmbikā**. By her he had sons **Rāma-Rāja**, **Tirumala-Rāja** and **Veṅkaṭādri**, in the order in which they are mentioned.

(Vv. 17-18.) **Rāma-Rāja** ruled the earth with justice, after having destroyed his enemies, who were a pest to the world. He surpassed even the wishing tree of the gods in his gifts.

(V. 19.) **Veṅkaṭādri-Rāja** was also distinguished in the world as a warrior.

(V. 20.) **Tirumala-Mahārāja**, the middle one among the three sons of **Śrīraṅga-Rāja**, having defeated his enemies and being anointed king, protects the earth like **Vishṇu** among the **Trimūrtis**.

(Vv. 21-26.) Praises of **Tirumala-Mahārāja**.

(V. 27.) This king performed frequently all the *dānas* mentioned in the *āgamas*, such as the *kanaka-tulā-pūrusha* and the *upadānas*, in the temples at **Kāñchī**, **Śrīraṅga**, etc., and at the sacred *tīrthas*.

(Vv. 28-30.) Then was born to him by **Vēṅgaḷāmbā**, **Śrīraṅga-Rāja**, who, residing at **Uddagiri**, conquered the forts of **Koṇḍaviḍu**, **Vinikoṇḍa-pura** and other forts and, making **Penugonḍa** his capital, ruled in splendour with all insignia of royalty, such as the *maṭara*, etc. By the gifts made by this king at the time of his coronation poverty was completely wiped out for good men.

(Vv. 31-35.) After **Śrīraṅga-Rāja** had reached the region of **Vishṇu** (i.e. died), his brother **Veṅkaṭapati-dēva-Rāja**, born of the same mother, ascended the throne and ruled the earth with justice. Just as **Rāma** was crowned by **Vasishṭha**, conquered the *rākshasas* and governed the world, this king was anointed by the learned **Tātayārya**, defeated the **Yavanas** (Muslims) and ruled the earth. He had four wives, named **Vēṅkaṭāmbā**, **Rāghavāmbā**, **Peḍōbamāmbā** and **Krishṇamāmbā**. **Mahamanda-śāhu**, the son of **Malukibharāma**, being defeated repeatedly by the army of this king, used daily to return dejected from the battle-field after being deprived of his elephants, horses, arms and umbrella.

(V. 36.) Description of **Veṅkaṭapati-dēva-Rāja**'s reign.

• (Vv. 37-50.) The *birudas* of this king as employed by the court-heralds.

(V. 51.) The kings of the **Kambōja**, **Bhōja**, **Kālīnga**, **Karahāṭa**, etc., countries used to stand at the gate of this king and praise him.

(V. 52.) Having made, by the power of arms, the throne of **Karṇāṭa** his own and after conquering all his enemies living in the region between **Sētu** and the **Himādri**, **Veṅkaṭapati-dēva-Rāja** ruled the kingdom in joy.

(Vv. 53-98.) In the **Śaka year 1520** (counted by *indu*=1, *kaḷamba*=5, *nētra*=2 and *vyōma*=0), which corresponded to the (cyclic) year **Viḷambin**, on the *dvādaśī tithi* of the

<sup>1</sup> [This should be *Ādavani durga*: see above, p. 299, n. 1.—F. W. T.]

equations with four decimal places for a large number of anomaly angles. For an explanation as to the construction of these Tables see my paper on the *Siddhānta-sirōmaṇi* (above, Vol. XV, § 275).

294. It is advisable to explain clearly my reason for differing from Prof. Jacobi as to the amount of the greatest equation of the moon, which he values, in ten-thousandths of the circle, at 139.0 as against my 139.4.

"Eqn. b." The general formula (§ 290, ix) for the equation of the moon's centre is,  $a$  being the angle of mean anom.,  $\sin. \text{eqn.} = \frac{7}{80} \sin. a$ . To obtain the equation from the sine of the equation-angle the proportion  $\text{eqn.} : \sin. \text{eqn.} :: \text{diff. in angle} : \text{diff. in sine}$  is used. The Hindu astronomers always worked by sections of anomaly-arc, each measuring  $3^\circ 45'$ , or  $225'$ . Reference to the Equation-Table LXXV will shew that in the case of the first group anom.  $0^\circ$  to  $3^\circ 45'$  the diff. in anom. is  $225'$  and the diff. in sine is also  $225'$ . Hence, in the case of all anom. angles between  $0^\circ$  and  $3^\circ 45'$   $\text{eqn.} = \sin. \text{eqn.}$ . But in the case of all anom. angles between  $3^\circ 45'$  and  $7^\circ 30'$ —and no equation angle of the moon's anom. exceeds the latter quantity—the diff. in angle is  $225'$  and the diff. in sine is  $224'$ ; so that the formula to be used for all angles coming into this second group is  $\text{eqn.} = \frac{225'}{224} \sin. \text{eqn.}$ . This applies only to the excess in the angle over  $3^\circ 45'$ . The working rule, therefore, for finding the equation of angles lying between  $3^\circ 45'$  and  $7^\circ 30'$  is as follows:—

With the formula  $\frac{7}{80} \sin. a$ , find the sin. eqn. From the sin. eqn. deduct  $225'$ . Multiply the remainder by  $225'$  and divide the product by  $224'$ . Add  $225'$  to the result.

Or, a little more simply,—From the sin. eqn. deduct  $225'$ . Divide the remainder by  $224'$ . Add the result +  $225'$  to the sin. eqn.

For an example let us suppose that it is required to find the moon's eqn. for anom.  $67^\circ 30'$ .  $\sin. 67^\circ 30' = (\text{Table LXXV}) 3177'$ .  $\frac{7 \times 3177'}{80} = 277' \cdot 9875$ , or  $4^\circ 37' 59'' \cdot 25$ , an angle between  $3^\circ 45'$  and  $7^\circ 30'$ .  $277' \cdot 9875 - 225' = 52' \cdot 9875$ , and this divided by  $224' = 0' \cdot 236551$ .  $52' \cdot 9875 + 0' \cdot 236551 + 225' = 278' \cdot 224051$ , or  $4^\circ 38' 13'' \cdot 44306$ . This is the correct equation  $b$  for the given anom. It is stated by Prof. Jacobi (above, Vol. I, Table XXIV A) shortly as  $4^\circ 38' 13''$ .

Turning now to the equation of  $90^\circ$ , the greatest equation  $\text{C}$ , and working in the same way,  $\sin. 90^\circ = 3438'$ .  $\frac{7 \times 3438'}{80} = 300' \cdot 825$ . This less  $225' = 75' \cdot 825$ , and this divided by  $224' = 0' \cdot 338504464$ .  $75' \cdot 825 + 0' \cdot 338504464 + 225' = 301' \cdot 163504464$ , or  $5^\circ 1' 9'' \cdot 810268$ , which is the exact equation required. In ten-thousandths of circle this =  $139 \cdot 427548361$ .

295. "Eqn. c." [Working similarly for the greatest equation  $\text{C}$  or the equation of sun's anom.  $90^\circ$ .] The formula for finding sin. eqn. in this case is (§ 290, viii)  $\frac{3}{80} \sin. a$ .  $\sin. 90^\circ = 3438'$ .  $\sin. \text{eqn.} = \frac{3 \times 3438'}{80} = 128' \cdot 925$ , or  $2^\circ 8' 55'' \cdot 5$ , or, in ten-thousandths of circle,  $59 \cdot 6875$ ; and, because this angle is one in the first group, being less than  $3^\circ 45'$ , the  $\text{eqn.} = \sin. \text{eqn.}$ . Hence

bright half of the month Śrāvaṇa, in the holy presence of the god Śrī-Venkaṭeśa, the villages of Vellāṅgoḷi, Kaiyottankuruchi, Uppu-vāṇyam-puttūr and Māṇamaṅgala in the Perumbatt-ulkaḍe, being clubbed together under the name of Virabhūpa-samudra, were granted, together with all the eight kinds of enjoyments, to a number of learned Brāhmaṇas of various śākhās, names, gōtras and sūtras, with privileges of free disposal, mortgage and sale, at the request of Kṛishṇabhūpa, whose genealogy is given as follows :—

In the Kāśyapa gōtra was born Nāga-Prithvīpati (=Nāgama-Nāyaka). To him was born king Viśvanātha, who, having conquered in battle the Tiruvaḍi, the great Pāṇḍya, the Vāṇāda-rāya and other kings, and having annexed their territories, became the master of the kingdom of Madhurā. To him was born the prince Kṛishṇa who acquired the 'overlordship of the south' (*Dakṣiṇa-Nāyaka*); Kṛishṇa's wife was Lakshmyambikā. To these was born Vira-Bhūpati. He built in front of the shrine of Saundara-Nāyaka<sup>1</sup> a *maṇḍapa* having pillars of rare workmanship; he also presented the goddess Minākshi<sup>2</sup> with a *kavacha* (body cover) made of gold and set with rare gems. He made the sixteen *mahādānas*, beginning with *hēm-āśva*. His queen was Tirumalāmbikā. Their son was Kṛishṇa-Mahīpati. He gave to the god Raṅga-pati<sup>3</sup> a *kavacha* studded with precious stones, a similarly bejewelled *uśnīsha*, yellow silk garments, necklaces, *kirita* (crown), *kuṇḍalas* (ear-rings), *kaṭi-sūtra* (waist zones), and presented him further with villages and gardens, and made arrangements for the celebration of *rath-ōtsavas* (car-festivals) and the daily services. He set up a number of lights in the presence of the god Saundara-Nāyaka; made arrangements for bathing the image of the god in milk and for the car-festival; gave ornaments (?); and set up a large *maṇi-stambha*. He performed the ceremony of weighing himself against gold and the *mahādānas* of *hēmagarbha*, *svar-dhēnu*, [*sapt*]-*āmbudhi* and *kalpa-sākhin*. His praises; he founded *agrahārās* for Brāhmaṇas and protected them; he paid to Brāhmaṇas enough money to enable them thereby to redeem their lands situated in the countries of other kings, which were mortgaged for the purposes of paying taxes; the Pāṇḍya, the Chēra and the Chōḷa kings served him as his *māgadhas*. He possessed the *birudas* 'dakṣiṇa-samudr-ēśa' and 'the taker of the kingdoms of the Pañcha-Tiruvaḍis.'<sup>4</sup>

The villages granted were situated in the Tiruvaḍi-dēśa, in the Mulli-nāḍu sub-division of Añjarakkare, and they belonged to the eastern portion of Kallapaikkurichi. The boundaries were :—

- on the south-east, the tank called Kailāsanātha-taṭāka on the boundary of Virava-nallūr;
- on the north, the boundary stone of Attāla-nallūr;
- on the east, Koṭṭālakurichi, the channel of the village of Koṭṭālakurichi, the high-road called *Śaṅkara-mahāpatha* on the boundary of Ariḷa-nallūr, and the way leading to Virava-nallūr;
- on the south, the boundary stone of Kuruṅguḍi, the watercourse of that village called Pādaryōḍa, the Kannaḍiyankāl-ārāchi (channel), the boundary stone of Kallapa-kurichi, the eastern ridge of the sixth *kaṇṇāru* (from the Tāmraparṇi evidently) and boundary stone of the seventh *kaṇṇāru* flowing into Taḍichēri; and
- on the west, the river Tāmraparṇi, flowing northwards, and the channel of Ponnaḍikulyā, of the village of Taḍchēr. The stone on the boundary of the eighth *kaṇṇāru* of this Taḍchēri village, the mound Iluppayaḍi-ttiḍar, and the garden called Kudireyōḍi.

<sup>1</sup> This is the name of the presiding deity, Śiva, of the famous temple at Madura.

<sup>2</sup> This is the name of the goddess of the same temple.

<sup>3</sup> This is the name of the god Viṣṇu of the largest temple at Śrīraṅgam in S. India.

<sup>4</sup> See above, p. 307, foot-note 2.

☉'s eqn.  $90^\circ = 59.6875$ . This is the same as Prof. Jacobi's valuation, which he gives in degrees as  $2^\circ 8' 56''$  and in circle measurement (my notation) as 59.7.

296. *Greatest equations* ☾ and ☉. My estimate, therefore, of the sum of the greatest equations ☾ and ☉ is—

☾	. 139.427548361
☉	. 59.687500000
<hr/>	
TOTAL	. 199.115048361

The difference between us causes a slight difference in our respective Tables of equation.<sup>1</sup>

*Table LXVIII.—Indices of tilhis, etc.*

296-A. In this Table the indices are given with decimal points for guidance in close cases. Otherwise they correspond exactly to those in Table VIII, "*Indian Calendar*." The indices of yogas (col. 6) are the same as those of nakshatras (col. 8).

*Tables LXXII, LXXIII, LXIV.*

297. Prof. Jacobi (*above*, Vol. I, p. 450) has provided a Table, XIII, shewing for four of the Indian astronomical authorities the places of the sun and moon at the beginning of centuries,<sup>2</sup> and another, XV, shewing their increases through the years of a century according to the *Ārya-Siddhānta* with Lalla's corrections. It is plain from Table XIII that in Prof. Jacobi's opinion Lalla did not interfere with Āryabhaṭa's fixtures previous to the year K.Y. 3600, the date of the latter's work, but introduced his corrections for all later years.

If, therefore, we establish by Āryabhaṭa alone the values of  $a, b, c$  for 36 centuries of the Kaliyuga and add to these their values at the beginning of that era as given above, we shall arrive at their values (positions of sun and moon) at the beginning of K.Y. 3600—values, that is, recognized by Lalla; and Tables giving Lalla's estimate of the periodic changes in position of the sun and moon for centuries, years, and days will enable us to ascertain their position at any later date when computed by the *Ārya-Siddhānta* with the bija.

298. (i) First to find the century increase of  $a, b, c$  respectively according to Āryabhaṭa uncorrected. We work for mean sunrise values only, not for values at moments of Mēsha-samkrānti. We require, that is, the several increases in a common century of 36526 civil days and in a defective century of 36525 such days. In the 36 Kaliyuga centuries concerned there were 31 of the former and 5 of the latter.

(ii) As regards the time-interval between the moments of mean Mēsha-samkrānti and the nearest mean sunrises at the beginning of each century, Prof. Jacobi's column headed "Cor." in Table XIII states these clearly in ghṛtikās and palas. Mean Mēsha-samkrānti always occurs  $2^d 3^h 32^m 30^s$  after true Mēsha-samkrānti, and the moment of the latter's occurrence every year is given in hours and minutes in col. 17, Table I, "*Indian Calendar*." There is no difference between us in this respect.

<sup>1</sup> For the information of those who wish to compare the two it is desirable to point out that in Prof. Jacobi's Table VII (*Vol. XI, above*), under head "Equation" on left side, the tenth entry from the top, "626" is probably a misprint for "616"; and in the same column, the eighth entry from the bottom, "152" should preferably be read "142."

<sup>2</sup> There appears to be one misprint in Jacobi's Table XIII. Under head "Dist. ☾—☉ uncorrected," in the section dealing with the *Ārya-Siddhānta*, against K.Y. century 4800, the number of minutes should be "14," not "24."

(Vv. 99-100.) The total number of *vr̥ittis* (shares) was two hundred and sixty-one; and each share was divided into five *am̥sas* (parts), so that each *vr̥itti* might suffice for the maintenance of five persons.<sup>1</sup> The following is a list of the names of the donees:—

Table showing the names, etc., of the donees.

Line <sup>2</sup> of text.	Name of Donee.	Father's Name.	Name of Village or Family.	Śākhā.	Gōtra.	Am̥sas.
207	Viśvanātha . . .	Bhōgīśvara . . .	Vaṅgaviṭi . . .	Yajus .	Harita . . .	4
208	Veṅkaṭādri . . .	Anna-Bhaṭṭa . . .	[Pi]śupāṭi . . .	Do. .	Bhāradvāja . . .	7
210	Ayyapa . . .	Veṅkaṭārya . . .	Guṇṭūru . . .	Do. .	Śrīvatsa . . .	3
211	Tirumalārya . . .	Peddirāmā-Bhaṭṭa . . .	Paṇḍe (P) <sup>3</sup> . . .	Do. .	Kāśyapa . . .	4
212	Mādhavārya . . .	Koṇḍu-Bhaṭṭa . . .	Niḍūru . . .	Do. .	Haritasa . . .	2
214	Padmanābha . . .	Kāśi-Bhaṭṭa . . .	Jagarlapūṭi . . .	Bahvri- cha.	Bhāradvāja . . .	5
215	Sōma(ya) . . .	Sōmā-Bhaṭṭa . . .	Mākanapeddi . . .	Yajus .	Śrīvatsa . . .	4
217	Kṛishṇa-Bhaṭṭa . . .	Pēru-Bhaṭṭa . . .	Chirāvūru . . .	Do. .	Do. . .	5
218	Tirumala-Bhaṭṭa . . .	Basavārya . . .	Vēlpumalla (P) . . .	Do. .	Kāśyapa . . .	5
220	Pēru-Bhaṭṭa . . .	Narasam-Bhaṭṭa . . .	Rāvūru . . .	Do. .	Kauṇḍinya . . .	5
221	Raṅgu-Bhaṭṭa . . .	Rāmārya . . .	Kalaga (P) . . .	Do. .	Haritasa . . .	3
222	Nāgā-Bhaṭṭa . . .	Nāgā-Bhaṭṭa . . .	Paṣumarti . . .	Do. .	Kāśyapa . . .	2
224	Yajñīśvara . . .	Nārāyaṇārya . . .	Mūla (P) . . .	Do. .	Gautama . . .	1
225	Veṅkaṭādri . . .	Yellārya . . .	Uppala . . .	Bahvri- cha.	Bhāradvāja . . .	7
226	Veṅkaṭādri . . .	Tirumala-Bhaṭṭa . . .	Cheppali . . .	Yajus .	Kāśyapa . . .	1
227	Chittī-Narasam-Bhaṭṭa . . .	Dugārya . . .	Vellatūru . . .	Do. .	Bhāradvāja . . .	8
229	Būchchana-Bhaṭṭa . . .	Koṇḍārya . . .	Sinkōsula . . .	Do. .	Kāśyapa . . .	6
230	Veṅkaṭādri . . .	Kṛishṇam-Bhaṭṭa . . .	Morlūru . . .	Do. .	Lōhita . . .	5
231	Viraṇ-Bhaṭṭa . . .	Akkala-Bhaṭṭa . . .	Dūpūm (P) . . .	Do. .	Haritasa . . .	3
232	Koṇḍu-Bhaṭṭa . . .	Ōbhalārya . . .	Narasafichōli (P) . . .	Do. .	Kāśyapa . . .	1
234	Dugā (or Durgā)-Bhaṭṭa . . .	Akkala-Bhaṭṭa . . .	Vellāla . . .	Bahvri- cha.	Bhāradvāja . . .	3
235	Sarvā-Bhaṭṭa's wife Veṅkaṭāmbā.	.....	.....	Do. .	Do. .	1
236	Rāmā-Bhaṭṭa . . .	Rāghavārya . . .	Ēṭṭūru . . .	Do. .	Vāsishtha . . .	9
237	Garudādri . . .	Peddi-Bhaṭṭa . . .	Matyemadugu . . .	Yajus .	Kauśika . . .	3

<sup>1</sup> It may be noticed that only one *am̥sa* is given in the case of women, who appear to be single widows of the Persons whose wives they are said to be.

<sup>2</sup> The number refers to the line containing the beginning of the verse in which the particulars are given.

<sup>3</sup> [Probably Paṇḍepeddi was the family name.—H. K. S.]

(iii) The advances in the values of  $a$ ,  $b$ ,  $c$  respectively during a common century of 36526 civil days according to Āryabhaṭa uncorrected, excluding whole revolutions, are— $a$  (mean moon's distance from mean sun)  $319^{\circ} 24' 30'' \cdot 645$ ,  $b$  ( $\text{☾}$ 's mean anom.)  $211^{\circ} 1' 55'' \cdot 775$ ,  $c$  ( $\text{☉}$ 's mean anom.)  $0^{\circ} 7' 48'' \cdot 139$ . These in circle measurement (our notation) are—

$$a = 8872 \cdot 458680555$$

$$b = 586 \cdot 100443673$$

$$c = 0 \cdot 361215706$$

(iv) Taking only the circle measurement, the respective increases for one day of 24-hours are—

$$a = 338 \cdot 632000730$$

$$b = 36 \cdot 291575876$$

$$c = 2 \cdot 737785720$$

(v) Deducting one day's increase from the former fixtures, we have for a defective century of 36525 civil days—

$$a = 8533 \cdot 826679825$$

$$b = 549 \cdot 808867797$$

$$c = 997 \cdot 623429986$$

We now have to work out the correct details for the first 36 centuries of the Kaliyuga, 31 common and 5 defective.

299. (i)  $a$ . Using the above figures, it is found that the advance of  $a$  in that period (omitting quantities of 10,000 or whole revolutions<sup>1</sup>) was  $7715 \cdot 352496330$ ; and since at the epoch of the Kaliyuga the distance between mean moon and mean sun was *nil* (above, § 290, *xiv*), the same represents their relation at the beginning of K.Y. 3600. But for tabulation purposes we have to deduct from this the sum of the greatest equations  $\text{☾}$  and  $\text{☉}$  (§ 290, *xiv*; and 295). This sum, as already stated, I estimate at  $199 \cdot 115048361$ . Therefore the tabular  $a$  for the beginning of K.Y. 3600 is  $7516 \cdot 237447969$ . Prof. Jacobi gives this figure, as I interpret him,<sup>2</sup> in our notation as  $7516 \cdot 6$ . The difference between us is due to his estimation of the greatest equations  $\text{☾}$  and  $\text{☉}$  as  $198 \cdot 7$  (margin of Table quoted in footnote below) instead of  $199 \cdot 1$ . But I adhere to my figure, the reason for which has been fully explained.

(ii)  $b$ . The advance of  $b$  in the first 36 centuries, omitting whole revolutions,<sup>3</sup> was in thousandths of the circle,  $918 \cdot 158092848$ . Adding to this the value of  $b$  at K.Y. 0 (§ 290, *xiii*), namely 250, we have for the moon's mean anom. at the beginning of K.Y. 3600,  $b = 168 \cdot 158092848$ .

(iii) Now in this matter Prof. Jacobi and myself are not quite in accord. He states the value (Vol. XI above, Table V B) as in his notation  $6718$ . This in my notation, measuring from perigee instead of apogee, is  $171 \cdot 8$ . This figure corresponds to his valuation of  $b$  at that moment, in degrees, etc., as given in Vol. I above, Special Table XIII, where it is fixed, for the moment of mean Mēṣha-saṁkrānti, as  $245^{\circ} 6' 0''$ . The correction for mean sunrise value is the moon's change in 15 ghaṭikās, or  $3^{\circ} 15' 58'' \cdot 5$ ; making the position of  $\text{☾}$  at mean sunrise

<sup>1</sup> There are 1286 synodical revolutions of the moon in a century.

<sup>2</sup> In both sections of his Table V (Vol. XI above, A and B) Prof. Jacobi's entry "76166" is manifestly a misprint for "75166." In the same Table, Section A, opposite "cent. 41" the entry "19789" should be "18789."

<sup>3</sup> There are 1325 anomalistic revolutions of the moon in a century.



Line of text.	Name of Donee.	Father's Name.	Name of Village or Family.	Śākhā.	Gōtra.	Amśas.
239	[A]iyam-Bhaṭṭa	Lakṣmaṇārya	Ālikonda	Yajus	Śrīvatsa	3
240	Veṅkaṭādri	Rāmā-Bhaṭṭa	Chirukūru	Bahvri-cha.	Kāśyapa	5
241	Tirumalārya	Mallu-Bhaṭṭa	Eḍavelli	Yajus	Śrīvatsa	10
243	.....	Viram-Bhaṭṭa	Abbūru	...	Do.	3
(Here Plate VII is lost.)						
244	Lakṣmaṇārya	Rāmārya	Biṭraguṇṭa	Bahvri-cha.	[Bhāra]dvāja	6
245	Veṅkaṭādri	Śivā-Bhaṭṭa	Aldanki	Yajus	Kāśyapa	3
246	Rāmacandraārya	Ōbā-Bhaṭṭa	Biṭraguṇṭa	Bahvri-cha.	Bhāradvāja	5 <sup>1</sup>
247	Hari-Bhaṭṭa	Peḍipa-Bhaṭṭa	Akājyauntishaka	Rich	M[au]dgalya	2
249	Parvatārya	Narasārya	Arakatavēlma	Yajus	Śrīvatsa	4
250	Krishṇam-Bhaṭṭa	Do.	Yammanūru	Do.	Do.	2
251	Yallam-Bhaṭṭa	Yallam-Bhaṭṭa	Piṭṭi	Do.	Bādarāyaṇa	4
253	Narasam-Bhaṭṭa	Achhana-Bhaṭṭa	Niṭṭūru	Do.	Kauśika	2
254	Rēkam-Bhaṭṭa	Ayya-Bhaṭṭa	Brāhmalapalli	Do.	Haritasa	4
255	Kōmārya	Chittī-Bhaṭṭa	Yajñamūrti	Do.	Gautama	3
257	Padmanābha	Achchanārya	Būdapūru	Do.	Bhāradvāja	2
258	Achchanārya	Yajñārya	Tirumalapura	Do.	Kauśika	4
259	.....	.....	Saṅgu (Saṅgra?)	...	Kāśyapa	...
261	Ōbhalārya	Pinabasavārya	Kaṭṭapa	Bahvri-cha.	Bhāradvāja	4
262	Achhana-Bhaṭṭa	Lakṣmaṇārya	Ālūru	Yajus	Kāśyapa	4
263	Veṅkaṭādri	Pinnabhasavārya	Vellāla	Do.	Bhāradvāja	3
264	Vengam-Bhaṭṭa	Tirumalārya	Ūṭukūru	Do.	Kauśika	3
266	Narahari	Basavā-Bhaṭṭa	Vellāla	Bahvri-cha.	Bhāradvāja	6
267	Līṅgam-Bhaṭṭa	Kamā-Bhaṭṭa	Yemmanūru	Yajus	Śrīvatsa	7
269	Virūpakṣa	Narasam-Bhaṭṭa	Do.	Do.	Do.	2
270	Chintāmaṇi	Līṅgā-Jyōtishika	Vellāla	Bahvri-cha.	Bhāradvāja	2
272	Sarvā-Bhaṭṭa	Rāmārya	Teligampalli	Yajus	Do.	4
273	Timmarasa	Vijayarāghavārya	Rāmāyaṇa	Rik	Vāsishṭha	8

<sup>1</sup> [Evidently Mr. T. A. G. Rao reads इतिनेकां समस्तुते, but the actual reading is इति नेकां (कं) स(म) जस्तु (तु) ते. So this donee got one amśa and not five.—H. K. S.]

241° 50' 17.5, which, in thousandths of circle, is 171.760416667. Not being absolutely certain in this case that my valuation is more accurate than his, I defer to him, and accept his figure as correct.

(iv) In any very close case arising from the use of the Tables which follow the difference between us in the value of  $b$ , namely 3.6, may be deducted from the resulting  $b$ , and the date tested by my own estimate.

(v)  $c$ . The change in the sun's mean anom. (our  $c$ ), similarly calculated for the 30 centuries,<sup>1</sup> was 999.314836816. Adding 283.3, the value of  $c$  at K.Y. 0 (§ 290, xii), we have for K.Y. 3600  $c=282.648170149$ . But here again there is a minute difference between my estimate and that of Prof. Jacobi. He gives, for the sun's mean anom. (measured from apogee) at the beginning of K.Y. 3600 (mean Mēsha-saṁkrānti), 282°—a value certainly correct. To obtain mean sunrise value 14' 47" has to be deducted,<sup>2</sup> with the result 281° 45' 13", which in thousandths of circle= $782.648919753$ , and in my notation (measurement from perigee)  $=282.648919753$ . I let this stand.

(vi) The values, then, adopted in this work for the positions of ☉ and ☾ at mean sunrise at the beginning of K.Y. 3600 are—

$$a=7516.237447969$$

$$b=171.760416667$$

$$c=282.648919753$$

300. (i) Table LXI below, however, the main working Table, starts from the year K.Y. 4000, and we have to add to the above figures the respective increases of  $a$ ,  $b$ ,  $c$  for four centuries, these increases being assessed by Lalla's values and not by the original values of Āryabhaṭa (§ 289).

(ii) The increases of  $a$ ,  $b$ ,  $c$  in one day, one year and one century according to Lalla are given in the heading of Table LXIV below. The four centuries are all common ones, and, adding the necessary quantities, we have for the beginning of K.Y. 4000,—mean sunrise value—

$$a=2987.553682533$$

$$b=523.155092591$$

$$c=284.093782577^3$$

These agree, *mutatis mutandis*, with Prof. Jacobi's figures (Vol. XI, Table V), which, in my notation, are  $a=2988.0$ ,  $b=523.2$ ,  $c=284.1$ .

(iii) Now these values are, as will be seen from the entry "1" in Jacobi's column for the week-day (*v.*), the figures for mean sunrise on Sunday, that is to say, on Sunday, 25 March,

<sup>1</sup> Omitting his 100 whole sidereal revolutions.

<sup>2</sup> 14' 47", or actually 14' 47".04, is the ☉'s mean motion in 6 hours, the difference in time between mean sunrise and the moment of mean Mēsha-saṁkrānti on the day when, astronomically, K.Y. 3600 began.

<sup>3</sup> We may estimate the value of  $c$  on the Sunday at the beginning of K.Y. 4000 in another way. The sun's mean anom. at the moment of mean Mēsha-saṁkrānti is always 283.3, or 102° (§ 290, xii). In the year in question, A.D. 899, true Mēsha-saṁkrānti took place (*Indian Calendar, Table I*) at 13<sup>h</sup> 47<sup>m</sup> 30<sup>s</sup> after mean sunrise on Thurs., 22 March, while the moment of mean Mēsha-saṁkrānti was (§ 290, x) 2<sup>d</sup> 3<sup>h</sup> 32<sup>m</sup> 30<sup>s</sup> later, or 6<sup>h</sup> 40<sup>m</sup> before mean sunrise on Sunday, 25 March. Adding the sun's motion for 6<sup>h</sup> 40<sup>m</sup> from Table LXV below, viz. 0.760495686 to 283.3, the  $c$  for mean sunrise on that Sunday is found to be 284.093829019.

Line of text.	Name of Donee.	Father's Name.	Name of Village or Family.	Śakha.	Gōtra.	Amśas.
274	Vira[nn]a . . .	Virappa . . .	Muddalāpura .	Bahvri- cha.	Kāśyapa . . .	2
276	Hari-Bhaṭṭa . . .	Rāmārya . . .	Kōḍūru . . .	Yajus .	Kauṇḍinya . . .	2
277	Hanumān . . .	Appalārya . . .	Vēlvunūru . . .	Do. .	Śrīvāta . . .	2
279	Chokkayārya . . .	Aubhāḷa-Bhaṭṭa . . .	Paiḍāla . . .	Do. .	Haritasa . . .	1
280	Chikka Venkaṭādri . . .	Achcharn-Bhaṭṭa . . .	Śāsana-kōtta . . .	Bahvri- cha.	Kāśyapa . . .	6
281	Venkaṭādri . . .	Kōṇam-Bhaṭṭa . . .	Marumadugu . . .	Do. .	Ātrēya . . .	4
283	Rugmayārya . . .	Appāji Odayārya . . .	Seṭṭipalli . . .	Do. .	Vasishṭha . . .	10
284	Virūpākṣha-Bhaṭṭa . . .	Vōdappya . . .	Paḍḍaraṅgi . . .	Do. .	Viśvāmītra . . .	4
285	Tirumalārya . . .	Tirumalārya . . .	Kāñchi . . .	Do. .	Haritasa . . .	4
287	Varala . . .	Vyāsarāyārya . . .	Kaḷakātūru . . .	Do. .	Viśvāmītra . . .	4
288	Dōmārya . . .	Kāma-Bhaṭṭa . . .	Hālaharivi . . .	Do. .	Kāśyapa . . .	3
290	Ab[b*]jārya . . .	Mallu-Bhaṭṭa . . .	Indraganṭi (?) . . .	Yajus .	Śālaṅkāyana . . .	2
292	Tirumala-Bhaṭṭa . . .	Kāma-Bhaṭṭa . . .	Uruṅganṭi . . .	Do. .	Kāśyapa . . .	3
293	Venkaṭādri . . .	Vēṅḷalārya . . .	Rāyalacheru . . .	Bahvri- cha.	Do. .	1
295	Appakuṭi-Upādhyāya . . .	Mahādēva . . .	.....	Yajus .	Kauṇḍinya . . .	6
296	Obhālārya . . .	Pedi-Bhaṭṭa . . .	Mādhavārya . . .	Rich .	Ātrēya . . .	11
298	Venkaṭādri . . .	Yajūam-Bhaṭṭa . . .	Tipana Yajva . . .	Bahvri- cha.	Kauśika . . .	4
299	Gaṅgādbharārya . . .	Pedi-Bhaṭṭa . . .	Mādhava-Bhaṭṭa . . .	Do. .	Ātrēya . . .	4
300	Kṛishṇam-Bhaṭṭa . . .	Rāmā-Bhaṭṭa . . .	Chittālūru . . .	Do. .	Kauṇḍinya . . .	5
302	Tējārya . . .	Yajūam-Bhaṭṭa . . .	Annama Yajva . . .	Do. .	Ātrēya . . .	2
303	Appalaya . . .	Līṅgam-Bhaṭṭa . . .	Mādhavārya . . .	Do. .	Do. . .	7
305	Pinnananta-Bhaṭṭa . . .	Kṛishṇa-Bhaṭṭa . . .	Mādhava-Bhaṭṭa . . .	Do. .	Do. . .	5
306	Tirumalārya . . .	Kṛishṇārya . . .	Nōkala (?) . . .	Rik .	Do. . .	5
308	Tirumala-Bhaṭṭa . . .	Nāgārya . . .	Obhāḷa-Adhvarin . . .	Bahvri- cha.	Kauśika . . .	3
309	Lakṣhmaṇārya . . .	Venkaṭādri . . .	Obhāḷa-Bhaṭṭa . . .	Rik .	Do. . .	4
311	Nārāyaṇa . . .	Vāraṇāsi Līṅgārya . . .	Uddagiri . . .	Yajus .	Bhāradvāja . . .	5
313	Nārāyaṇa-Bhaṭṭa . . .	... ..	.....	...	For feeding Brāh- manas on the drādaṣṭi.	5
„	Kṛishṇa-Bhaṭṭa . . .	Līṅgārya . . .	Mōkshagunḍam . . .	Yajus .	Bhāradvāja . . .	5
316	[Ch]ennam-Bhaṭṭa . . .	V[i]ram-Bhaṭṭa . . .	Uddagiri . . .	Do. .	Kāśyapa . . .	3

A.D. 899, mean Mēsha-saṁkrānti having taken place on the previous day, Saturday, at 17<sup>h</sup> 20<sup>m</sup> after mean sunrise. Following general practice, I work for mean sunrise on the day on which the mean saṁkrānti occurred, i.e. for the Saturday, and deduct one day's values from the above.

Finally then the working values for the beginning of K.Y. 4000 (Sat., 24 Mar., A.D. 899, mean sunrise) are—

$$a = 2648.921808551$$

$$b = 486.863468853$$

$$c = 281.355996857$$

301. The century Table LXXII below is prepared from these details by addition of century increases. All the centuries concerned except century 42, which was defective, are common ones, each of 36526 days.

Table LXXIII gives the increases of  $a$ ,  $b$ ,  $c$  for each year of the century,<sup>1</sup> following Lalla's bija.

Table LXXIV gives the values to be added for the days intervening between that on which true Mēsha-saṁkrānti occurred in each year and the day of the corresponding beginning of the luni-solar year, i.e. the civil day called "Chaitra śukla 1." This Table is prepared for the purpose of assisting workers to check the main Table entries giving the values of  $a$ ,  $b$ ,  $c$  (Table LXXI, cols. 23-25). The week-day stated in the main Table will always serve as a guide. Compare the similar Table in my article on the *Siddhānta-śrōmaṇi* (Vol. XV, pp. 159-245 above) where instructions for its use are given (§ 279).

#### THE NAKSHATRA.

302. A special note must be made regarding the working of the "Indian Calendar" rule (§ 156, p. 97) for obtaining approximately the index of the nakshatra.

It will be observed there that part of the process (see § 133, *Ind. Cal.*) consists of the addition to the value of  $c$ , the sun's mean long., of a constant, viz. 7207, as stated in 10,000ths of circle. This is the *Sūrya-Siddhānta* quantity. For work by the *Ārya-Siddhānta* we require the *Ārya-Siddhānta* quantity.

The *Sūrya-Siddhānta* figure is made up of (i) long. of sun's perigee-point (257° 15' 55".7 =) 7146.3 and (ii) 60.4, the greatest equation of the sun's centre.

Now (i) the long. of the sun's perigee-point according to the *Ārya-Siddhānta* is always 258°, or, in 10,000ths of circle, 7166.6 (§ 290, v, above); and (ii) the greatest equation of the sun's centre (§§ 295, 296) is 59.6875. Hence the *Ārya-Siddhānta* constant for calculating the nakshatra is (7166.6 + 59.6875 =) 7226.3542; and for approximate calculation is 7226, not 7207.

<sup>1</sup> There appear to be two misprints in Prof. Jacobi's Table VI (above, Vol. XI, p. 165), in which he gives similar annual increases. Against year 8, under "c," "61" should be "6"; and against year 52, under "a," "16912" should be "16852."

Line of text.	Name of Donor.	Father's Name.	Name of Village or Family.	Śākhā.	Gōtra.	Amśas.
318	Mallaya . . .	Līngam-Bhaṭṭa . . .	Nandyāla . . .	Yajus .	Kauśika . . .	2
319	Veṅkaṭaya . . .	Tirumala-Bhaṭṭa . . .	Virūru . . .	Bahvri- cha.	Śrīvatsa . . .	2
321	Koṇḍayārya . . .	Achyutārya . . .	Sinkēsula . . .	Yajus .	Kāśyapa . . .	3
322	Ellaya . . .	Hariyappārya . . .	Raddicherla . . .	Do.	Bhāradvāja . . .	2
324	Pāpayārya . . .	Bhōgīśvara . . .	Krānāla . . .	Do.	Do. . .	2
326	Ayyapa . . .	Gaurārya . . .	Trivikrama . . .	Do.	Śrīvatsa . . .	1
327	Varadārya . . .	Śambhu-Bhaṭṭa . . .	Sēvathāna . . .	Do.	Sāṇḍilya . . .	3
329	Ayyapa . . .	Purushōttama . . .	Trivikrama . . .	Do.	Śrīvatsa . . .	3
331	Ayyapa . . .	Līngārya . . .	Trivikrama . . .	Do.	Do. . .	2
332	Gōvīndaya . . .	Virūpāksha . . .	Sahavāsi . . .	Bahvri- cha.	Vāsishṭha . . .	2
334	Lakshmaya . . .	Vāsudēvārya . . .	Vārapāsi . . .	Do.	Ātrēya . . .	3
336	Bharataya . . .	Viram-Bhaṭṭa . . .	Vellatūru . . .	Yajus .	Bhāradvāja . . .	4
337	Virūpāksha . . .	Virārya . . .	Do. . .	Do.	Do. . .	3
339	Narasam-Bhaṭṭa . . .	Tirumalārya . . .	Kaipa (?) . . .	Do.	Kauṇḍinya . . .	2
340	Anṇāmalārya . . .	Obhalārya . . .	Raddicherla . . .	Do.	Bhāradvāja . . .	5
342	Nāgārya . . .	Koṇḍu-Bhaṭṭa . . .	Cherukupalli . . .	Do.	Kauṇḍinya . . .	7
343	Mūrti-Bhaṭṭa . . .	Narasimha . . .	Penugonḍa . . .	Do.	Bhāradvāja . . .	3
345	Rāmayārya . . .	Rāmachandra . . .	Balapanūru . . .	Do.	Do. . .	6
346	Tirumala-Bhaṭṭa . . .	Bhōgī [rya] . . .	Tottapalli . . .	Do.	Gautama . . .	4
348	Honnaya . . .	Rāma-kṛishṇārya . . .	Musalakavi . . .	Do.	Bhāradvāja . . .	3
349	Gaṅgādharma . . .	Sarvayārya . . .	Musalakavi . . .	Do.	Do. . .	3
351	Yallārya . . .	Tirumalārya . . .	Sanagara (?) . . .	Do.	Śrīvatsa . . .	4
352	Gaṅgādharma . . .	Mallu-Bhaṭṭa . . .	Do. . .	Do.	Do. . .	2
354	Obaya . . .	Nāgā-Bhaṭṭa . . .	Gollanapalli . . .	Do.	Bhāradvāja . . .	1
355	Buchchana-Bhaṭṭa . . .	Nāgārya . . .	Būdapūru . . .	Do.	Do. . .	6
357	Rāmayārya . . .	Yajñīśvara-Adhvaryu . . .	Chaudūru . . .	Do.	Kāśyapa . . .	4
358	Kṛishṇam-Bhaṭṭa . . .	Līngārya . . .	Arakattavēmula . . .	Do.	Bhāradvāja . . .	6
360	Mādhavārya . . .	[Gaṅ]gādharma . . .	Kāravīṭi . . .	Do.	Gārgya . . .	4
362	Narasam-Bhaṭṭa . . .	Koṇḍu-Bhaṭṭa . . .	Ūṭukūru . . .	Do.	Kauśika . . .	5
363	Pāṇikēśvara-Bhaṭṭa . . .	Virūpāksha . . .	Goḍḍamari . . .	Do.	Śrīvatsa . . .	3
365	Veṅkaṭādri . . .	Pāṇi-Bhaṭṭa . . .	Hampasamudram . . .	Do.	Ātrēya . . .	8
366	Nāgā-Bhaṭṭa . . .	Basavārya . . .	Vel[pu]malla . . .	Do.	Kāśyapa . . .	2
368	Basavaya . . .	Rāmā-Bhaṭṭa . . .	Pārṇandi (?) . . .	Do.	Vādhūla . . .	5

Thus the rules for finding the nakshatra by the *Arya-Siddhānta* are as follows :—

A. Roughly. Find  $a$ ,  $b$ ,  $c$  and  $t$  in whole numbers; multiply  $c$  by 10; add 7226 to the result; from this subtract "equation  $c$ ." The result is  $s$ , the sun's true longitude.

B. More closely. Find  $a$ ,  $b$ ,  $c$  and  $t$  with the fractions in decimals; to the value of  $c$  multiplied by 10, or, with the decimal point one place to the right, add the constant 7226.3542; from the result deduct (including decimals) the amount of "equation  $c$ ." The result is  $s$  in full detail.  $s+t=n$ , the index of the nakshatra, with which turn to Table LXVIII for value of the nakshatra.

The work is shewn in Example 7 below.

### EXAMPLES.

*Example 1.* To find the  $a$ ,  $b$ ,  $c$  values for mean sunrise on the first civil day of the luni-solar year.

Rule. Add together the entries in Tables LXXII and LXXIII for the corresponding expired year of the Kaliyuga, and those in Table LXXIV for the number of days' interval from true Mēsha-saṁkrānti (Table LXI, col. 13, bracket-number) to the first civil day of the luni-solar year, called "Chaitra śukla 1" (col. 19, bracket-number). Note specially the week-day of Chaitra śukla 1, and work for that day.<sup>1</sup> Decimals need not be used except in close cases.

For an example I take the year A.D. 1110-11. It corresponds (Table LXI) to K.Y. 4211 expired. The entries shew that true Mēsha-saṁkrānti occurred on Day 83 (Thursday, 24 March, A.D. 1110), and Chaitra śukla 1 on Day 82, the day previous. Interval between them 1 day.

Full work with the decimals:—

	<i>w.-d.</i>	<i>a.</i>	<i>b.</i>	<i>c.</i>
(Table LXXII) Beginning of K.Y. cent. 42 . . . . .	(0)	384.5799	662.5608	282.0784
(Table LXXIII) Beginning of year 11 . . . . .	(0)	622.8697	819.7442	0.4230
(Table LXXIV) Interval of days, 1 . . . . .	(4)	8984.1044	891.1251	991.7866

At mean sunrise on Day 82, or on

(4) Wednesday, 23 March, A.D.

1110 . . . . . (4) 9991.5540 373.4301 274.2880

These are the entries for that day in Table LXI.

The same result can be obtained by first finding the  $a$ ,  $b$ ,  $c$  for mean sunrise of the day on which true Mēsha-saṁkrānti took place, and then deducting the values for the intervening

<sup>1</sup> Owing to the formation of the several Tables the interval of days measured by their bracket-numbers in Table LXI, cols. 13, 19, sometimes differs by 1, but never by more than 1. But this leads to no difficulty when the desired week-day is duly noted. The point to remember is that the resulting week-day in our addition must be the correct one as given in Table LXI, and that we must use the entries in Table LXXIV for such number of days as will make the final week-day the one we work for.

Line of text.	Name of Donee.	Father's Name.	Name of Village or Family.	Śākhā.	Gōtra.	Aṁśas.
370	Tirumalārya . . .	Ōbhalārya . . .	Bondapatti . . .	Yajus .	Bhāradvāja .	3
371	Basavā-Bhaṭṭa . . .	Malu-Bhaṭṭa . . .	Sish[†*]la (?) .	Do. .	Kauṇḍinya .	2
373	Veṅkaṭādri . . .	Kāraṇam Rāmayārya .	Tirupati . . .	Bahvri- cha.	Vāeishṭha .	7
375	Viśvanāthārya . . .	Nārāyaṇa . . .	Vāraṇāsi . . .	Do.	Ātrēya . . .	3
376	Muddarasa . . .	Ōbayārya . . .	Murumaḍugu .	Rik .	Mauni-bhārgava	4
378	Tirumalārya . . .	Nāgārya . . .	Rāmachandrapura	Do. .	Do. .	7
380	Appala-Bhaṭṭa . . .	Tirumalārya . . .	Kolla (?) . . .	Bahvri- cha.	Kāśyapa . . .	10
381	Putṭam-Bhaṭṭa . . .	Chitti-Bhaṭṭa . . .	Gottipāḍu . . .	Do. .	Śrīvatsa . . .	3
383	Basavaya . . .	Hariyappa . . .	Pālasamudram .	Do. .	Viśvāmitra .	4
384	Rāmārya . . .	Puṇḍarikārya . . .	Pottiyadurti (?) .	Do. .	Vasishṭha . .	2
386	Veṅkaṭaya . . .	Veṅkaṭārya . . .	Turumilla . . .	Do. .	Ātrēya . . .	3
387	Kēśavārya . . .	Śrīrāmaya . . .	Nallagatta . . .	Do. .	Bhāradvāja .	2
389	Ōbhalārya . . .	Anna-Bhaṭṭa . . .	Sanugōḍ . . .	Yajus .	Kāśyapa . . .	4
391	Veṅkaṭādri . . .	Pēru-Bhaṭṭa . . .	Ammanasūchi .	Do. .	Bhāradvāja .	4
392	Timmayārya . . .	Pēru-Bhaṭṭa . . .	Ammanasūchi (Ammanasūchi).	Do. .	Do. .	5
394	Viśvanāthārya . . .	Peddi-Bhaṭṭa . . .	Māganti . . .	Do. .	Śāṇḍilya . . .	2
395	Tirumalārya . . .	Appala-Bha[††*]	Noryya . . .	Do. .	Haritasa . . .	4
397	Chavandīśvara-Bhaṭṭa	Achechayārya . . .	Pisupāti . . .	Do. .	Śrīvatsa . . .	3
398	Viśvanāthārya . . .	Nāgā-Bhaṭṭa . . .	Jayan[ti] . . .	Do. .	Kauśika . . .	2
400	Nārāyaṇa . . .	Gaṇapatyārya . . .	Yatamaṇṭa . . .	Bahvri- cha.	Do. . .	5
401	Rāmārya . . .	Appalārya . . .	Chirāvūru . . .	Yajus .	Śrīvatsa . . .	[8]
403	Jamnam(ta)-Bhaṭṭa	Śrīpati . . .	Vellūru <sup>1</sup> . . .	Do. .	Kāśyapa . . .	4
404	Rāyappa . . .	Lakshmayārya . . .	Paṭṭa . . .	Do. .	Haritasa . . .	6
406	Sarvā-Bhaṭṭa . . .	Mallu-Bhaṭṭa . . .	Bārla . . .	Do. .	Bhāradvāja .	3
407	Kommayārya . . .	Gauri-Bhaṭṭa . . .	Sūmulūru . . .	Do. .	Haritasa . . .	1
409	Virūpāksha . . .	Sūru-Bhaṭṭa . . .	Taṅgirāla . . .	Do. .	Saṅkhyāyana .	1
410	Kālam-Bhaṭṭa . . .	Tirumalārya . . .	Aḷlu . . .	Bahvri- cha.	Rēbha-Kāśyapa .	5
412	Ayyam-Bhaṭṭa . . .	Tirumalārya . . .	Do. . .	Do. .	Do. .	5
413	Nārāyaṇa . . .	Tirumala-Bhaṭṭa . . .	Do. . .	Do. .	Do. .	4
415	Pēru-Bhaṭṭa . . .	Ayyaṅgāri-Bhaṭṭa . . .	Do. . .	Do. .	Do. .	7

<sup>1</sup> [Possibly Vēlpūru.—H. K. S.]

days as given in Table LXIV. [The day on which true Mēsha-samkrānti took place is, in Table LXXIV, the day "Mēsha 0" (col. 2).]

Thus:—

	<i>w.-d.</i>	<i>a.</i>	<i>b.</i>	<i>c.</i>
(Table LXXII) <i>As before</i> . . .	(0)	384·5799	662·5608	282·0784
(Table LXXIII) <i>Do.</i> . . .	(0)	622·8697	819·7442	0·4230
(Table LXXIV) "Mēsha 0" . . .	(5)	9322·7363	927·4168	994·5244

<i>At mean sunrise on day of true</i> <i>Mēsha-samkrānti, (5) Thursday,</i> <i>24 March (Day 83)</i> . . .	(5)	330·1859	409·7218	277·0258
(Table LXIV) <i>Less 1 day interval</i>	—1	—338·6319	—36·2916	—2·7378

<i>At mean sunrise on Day 82, (4)</i> <i>Wed., 23 March</i> . . .	(4)	9991·5540	373·4302	274·2880
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The result is the same as above.

*Example 2. The same for a year with a greater interval of days between Mēsha-samkrānti and Chaitra śukla 1.*

Take the year A.D. 1603, K.Y. 4704 expired. The interval of days from true Mēsha-samkrānti (Table LXI, col. 13) back to Chaitra śukla 1 (col. 19) (mean sunrise in both cases) is (87—62) 25.

First process—with full decimals:—

	<i>w.-d.</i>	<i>a.</i>	<i>b.</i>	<i>c.</i>
(Table LXXII) Cent. 47 . . .	(6)	4385·0933	565·5125	281·1467
(Table LXXIII) Year 4 . . .	(5)	4741·1679	22·0623	999·9049
(Table LXXIV) Interval 25 days	(1)	856·9394	20·1262	926·0798

<i>At mean sunrise on Day 62, or</i> <i>Chaitra śukla 1, (5) Thursday,</i> <i>3 March, A.D. 1603</i> . . .	(5)	9983·2006	607·7010	207·1314
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These are the entries in Table LXI.

Second process:—

	<i>w.-d.</i>	<i>a.</i>	<i>b.</i>	<i>c.</i>
(Table LXXII) Cent. 47 . . .	(6)	4385·0933	565·5125	281·1467
(Table LXXIII) Year 4 . . .	(5)	4741·1679	22·0623	999·9049
(Table LXXIV) "Mēsha 0" . . .	(5)	9322·7363	927·4168	994·5244

<i>At mean sunrise of (Day 87)</i> <i>Mēsha-samkrānti day, (2) Mon.,</i> <i>28 March, A.D. 1603</i> . . .	(2)	8448·9975	514·9916	275·5760
(Table LXIV) <i>Less for 25 days'</i> <i>interval</i> . . .	—(4)	—8465·7968	—907·2906	—68·4446

\* *At mean sunrise on Day 62* . . . (5) 9983·2007 607·7010 207·1314  
Result, the same.



Line of text.	Name of Donee.	Father's Name.	Name of Village or Family.	Śākha.	Gōtra.	Amśas.
416	Kālarā-Bhaṭṭa . .	Dakṣiṇāmūrti . .	Alḥu . .	Bahvri-cha.	Rēbha-Kāśyapa .	3
418	Tirumalārya . .	Buohchanārya . .	Rōmarli . .	Yajus .	Kauśika . .	3
419	Veṅkaṭādri . .	Tirumalārya . .	Śieṭṭla . .	Do. .	Kauṇḍinya . .	5
421	Kriṣṇam-Bhaṭṭa . .	[Eru]-Bhaṭṭa . .	Peḍipāṭi . .	Do. .	Bhāradvāja . .	2
422	Tirumala-Bhaṭṭa . .	Koṇḍu-Bhaṭṭa . .	Epūru . .	Bahvri-cha.	Kāśyapa . .	3
424	Nārāyaṇa . .	Tirumalārya . .	Residing on the bank of the river Gautamī.	Yajus .	Kauṇḍinya . .	2
425	(Y)ellam-Bhaṭṭa . .	Umā-Mahēśvarārya . .	Bellamkoṇḍa . .	Do. .	Kāśyapa . .	[8]
427	Veṅkaṭādri . .	Yellam-Bhaṭṭa . .	Upladaḍiya . .	Do. .	Śrīvatsa . .	4
428	Tirumalārya . .	Veṅkaṭādri . .	Būravilli . .	Rik .	Kāmakāyana-Viś-vāmītra.	4
430	Veṅkaṭādri . .	Tirumalārya . .	Maichāvadhāna .	Bahvri-cha.	Bhāradvāja . .	5
431	Lingārya . .	Tirumalārya . .	Trivikrama . .	Yajus .	Śrīvatsa . .	3
433	Raṅganātha . .	Bhāskarārya . .	Kāvēṛsamudram	Bahvri-cha.	Gautama . .	6
434	Veṅkaṭādri . .	Śrīpā[ti]-Basavā-Bhaṭṭa	.....	Do. .	Bhāradvāja . .	12
436	Lingam-Bhaṭṭa . .	Ayyam-Bhaṭṭa . .	Pushpagiri . .	Yajus .	Do. .	5
438	Veṅkaṭādri . .	Tirumala-Bhaṭṭa . .	Cheppali . .	Do. .	Kāśyapa . .	4
439	Ayyam-Bhaṭṭa . .	Tirumalārya . .	Trivikrama . .	Do. .	Śrīvatsa . .	2
441	Lingārya . .	Kuppā-Bhaṭṭa . .	Mōkshagunḍam .	Do. .	Bhāradvāja . .	4
442	Lakṣmaṇa . .	Śingārya . .	Paṭṭa[varddhana]	Do. .	Kāmakāyana-Viś-vāmītra.	3
444	Kathāsāgara Venkaṭā-rya.	Duggā-Bhaṭṭa . .	Pushpagiri . .	Do. .	Bhāradvāja . .	3
446	Koṇḍu-Bhaṭṭa . .	Duggārya . .	Do. .	Do. .	Do. .	2
447	Lingārya . .	Basavā-Bhaṭṭa . .	Śākalya . .	Do. .	Vādhūla . .	4
449	Veṅkaṭārya . .	Tirumalārya . .	Tambellapali . .	Bahvri-cha.	Haritasa . .	5
450	Rāmā-Bhaṭṭa . .	Vitthalārya . .	Alūru . .	Do. .	Śrīvatsa . .	3
452	Tirumalārya . .	Dēvarāyārya . .	Māmuḍūr . .	Yajus .	Ātrēya . .	3
454	Raṅgaya . .	Kāśindra . .	Kaṣcherla . .	...	Ātrēya (Kātyāyana-sūtra).	3
456	Raghunātha . .	Sūri-Bhaṭṭa . .	Tōbāṭi . .	...	Kāśyapa (Kātyāyana-sūtra).	2
457	Mārāya . .	Akkala-Bhaṭṭa . .	Pinapa . .	...	Dp. .	3

Line of text.	Name of Donee.	Father's Name.	Name of Village or Family.	Śakhā.	Gōtra.	Arśas.
458	Aḷagappa . . .	Tirumalārya . . .	Kātrāvāyi . . .	...	Kauśika (Kātyāyana-sūtra).	2
460	Nāgaya . . .	Narasayārya . . .	Daśarājapalli . . .	...	Gautama (Kātyāyana-sūtra).	4
461	Gōvinda . . .	Tirumalārya . . .	Bhāgavata . . .	...	Kāśyapa (Kātyāyana-sūtra).	1
463	Ammalaya . . .	Abbayārya . . .	Taṅgaṭūru . . .	...	Kauśika (Kātyāyana-sūtra).	6
(Here Plates 13 and 14 are missing.)						
465	Veṅkaṭādri . . .	Tirumalārya . . .	Attalūru . . .	Bahvri-cha.	Kāśyapa . . .	5
466	Appukonda, the brother of Veṅkaṭādri of l. 466.	Do. . . .	Do. . . .	Do. . . .	Do. . . .	4
467	Tirumala-Bhaṭṭa . . .	Dēmā-Bhaṭṭa . . .	Addaṅki . . .	Do. . . .	Parāśara . . .	5
468	Nāgā-Bhaṭṭa . . .	Tirumala-Yajvan . . .	Sorabu . . .	Yajus . . .	Do. . . .	5
470	Sarvā-Bhaṭṭa . . .	Śrīvā[ma*]-Bhaṭṭa <sup>1</sup> . . .	Addaṅki . . .	Do. . . .	Kāśyapa . . .	6
471	Ayyappa . . .	Tammā-Bhaṭṭa . . .	Nudurumātu . . .	Do. . . .	Kauṇḍinya . . .	4
472	Veṅkaṭādri . . .	Koṇḍū-Bhaṭṭa . . .	Vānapalli . . .	Do. . . .	Bhāradvāja . . .	6
474	Śingarārya . . .	Purushōttama . . .	Vaḷavura . . .	Do. . . .	Lōhita . . .	4
475	Kṛishṇam-Bhaṭṭa . . .	Tirumalārya . . .	Tammā-Bhaṭṭa . . .	Bahvri-cha.	Kauśika . . .	5
477	Ammannāri, wife of Tippāvōjhla Vallar-Bhaṭṭa.	.....	.....	Do. . . .	Ātrēya . . .	1
478	Nāgārya . . .	Tirumala-Bhaṭṭa . . .	Tammā-Bhaṭṭa . . .	Do. . . .	Kauśika . . .	3
480	Rāmārya . . .	Sarvya-Bhaṭṭa . . .	Vāsudēva . . .	Do. . . .	Vasishṭha . . .	5
481	Obhalārya . . .	Jōśam-Bhaṭṭa ? . . .	[Chilṭu] . . .	Do. . . .	Kauṇḍinya . . .	4
483	Vāsudēva-Gaṇapaty-ārya's wife Mal-lamā.	.....	.....	Rich . . .	Vasishṭha . . .	
484	Appalārya . . .	Liṅgārya . . .	Chilṭu . . .	Bahvri-cha.	Kauṇḍinya . . .	2
486	Veṅkaṭādri . . .	Tirumalārya . . .	Mādhavārya . . .	Do. . . .	Ātrēya . . .	6
488	Nārīyana . . .	Tirumalārya . . .	Nāgā-Vōjhla . . .	Do. . . .	Do. . . .	5
489	Veṅkaṭādri . . .	[Pō]chnārya . . .	Vā(mā)d h a v a -Bhaṭṭa.	Do. . . .	Do. . . .	4
491	Peddananta-Bhaṭṭa . . .	Kṛishṇam-Bhaṭṭa . . .	Mādhavārya . . .	Do. . . .	Do. . . .	9

<sup>1</sup> Śrīvā-Bhaṭṭa would have been a more likely name.

the values of  $a$ ,  $b$ ,  $c$  for 181 days to those already found for Chaitra śukla 1, the equations of  $b$  and  $c$  are added from Tables LXVI, LXVII approximately, or from Tables LXVI A, LXVII A in very close and doubtful cases, to the resulting value of  $a$  for the day; thus  $t$ , the true tithi-index, is found.

In this example we work approximately.

The serial number of the day Chaitra śukla 1 (in March A.D. 1226) is 60 and the week-day 1, Sunday (Example 3). The  $a$ ,  $b$ ,  $c$  for mean sunrise have been settled in Example 3.

	$d.$	$w.-d.$	$a.$	$b.$	$c.$
Table LXI, cols. 19-25 . . .	(60)	(1)	36	215	211
(Table LXIV) . . . . .	(181)	(6)	1292	569	496
<hr/>					
At mean sunrise on day . . .	(241)	(0)	1328	784	707
(Table LXVI) "Eqn. $b$ " . . .			3		
(Table LXVII) "Eqn. $c$ " . . .			117		

At mean sunrise on day 241,  $t=1448=(\text{Table LXVIII})$  śukla 5.

Day 241 was (Table LXIX) August 29. Week-day 0=Saturday. Reference to Table LXXI confirms this as the right week-day.

The given Hindu date then is so far correct. The 5th śukla tithi of Bhādrapada ended on, and gave its name to, Sat., 29 Aug., A.D. 1226. For historical purposes it is seldom necessary, unless the karaṇa is mentioned, to find the time of beginning and ending of the tithi; but, if required, this is obtained approximately from Tables LXVIII, col. 3, and LXIX. At mean sunrise the tithi-index was 1448. It began  $(1448-1333=)$  115, or (Table LXX) 8<sup>h</sup> 9<sup>m</sup> before, and ended  $(1667-1448=)$  219, or 15<sup>h</sup> 31<sup>m</sup> after mean sunrise on that Saturday.

*The tithi. Exact work.*

*Example 5.* Working the same date with the full decimals, we have—

	$d.$	$w.-d.$	$a.$	$b.$	$c.$
As in Example 3 . . . . .	(60)	(1)	35.5215	214.8206	211.3001
Table LXIV . . . . .	(181)	(6)	1292.3692	568.7839	495.5392
<hr/>					
	(241)	(0)	1327.8907	783.6045	706.8393

For either equation  $b$  or equation  $c$  note the difference between the values of  $b$  or  $c$  thus found and the nearest value respectively in Table LXVI A or LXVII A, cols. 2a, 2b. Multiply this difference by the group-difference (col. 4). Divide the result roughly by 2 or exactly by 2.083; and add or subtract the result to or from the standard equation-value given in the Table (col. 3) as necessity demands.

[This is the complete process; but it almost always suffices to arrive very near to the truth merely by the exercise of common sense, using Tables LXVI A, LXVII A as Eye-Tables.]

Here the moon's anom.  $b$  is 783.6045, and the nearest amount of Argument  $b$  in Table LXVI A is 783.3, whose exact equation is 3.1006 (col. 3). As the difference in anom. is only about 0.3, viz. 0.2712, and the group-difference only 0.4150, we may take 3.1006 as the required equation of the given anom. Or we may work roughly by a multiplication of the first two decimals of the anom. diff. (0.27) by those of the group-diff. (0.42) and a division of the result by 2—yielding 0.0567, which, added to 3.1006, makes "equation  $b$ " = 3.1573; or we may work completely with all four decimals, arriving at the absolutely correct result 3.1546.

Line of text.	Name of Donee.	Father's Name.	Name of Village or Family.	Śākha.	Gōtra.	Amśas.
492	Tippana-Yajvan - Soma- ya's wife Ellamā.	.....	.....	Rich .	Kauśika . .	1
493	Gaṅgādharaṛya . .	Jyautibika Gaṅgādharā	... ..	Bahvri- cha.	Kāśyapa . .	4
495	Sōmā-Bhaṭṭa . .	Mallu-Bhaṭṭa . .	Tippana-Yajvan .	Do. .	Kauśika . .	5
496	Tirumalā-Bhaṭṭa . .	Obhalāṛya . .	Rāmachandra .	Do. .	Do. . .	2
498	Piṇatōjāṛya . .	Tirumala-Bhaṭṭa .	Annama-Adhvarin	Rich .	Ātrēya . .	4
4. 9	Veṅkaṭādri . .	Śrīpati-Bhaṭṭa . .	Yellā-Vojhla .	Bahvri- cha.	Kauśika . .	5
501	Śamkarāṛya . .	Rāghavāṛya . .	Hautra . .	Do. .	Do. . .	2
502	Chandraśekhara . .	Mallāṛya . .	Gaṅgana-Adhvarin	Do. .	Do. . .	2
503	Nārasimha . .	Rāmā-Bhaṭṭa . .	Pālagiri . .	Do. .	Ātrēya . .	4
505	Nārāyaṇa . .	Narasam-Bhaṭṭa .	Rāmachandra .	Do. .	Kauśika . .	3
506	Raghupati . .	Jannam-Bhaṭṭa . .	Tippana-Yajvan .	Do. .	Do. . .	3
508	Sōmāṛya . .	Janārdana-Bhaṭṭa .	Tippana-Adhvari	Do. .	Do. . .	2
509	Emperumānāṛya .	Śrīnivāsa . .	Ayidēva . .	Do. .	Ātrēya . . .	6
511	Anantaya . .	Sūru-Bhaṭṭa . .	Śrīpati-Bhaṭṭa .	Do. .	Gautama . .	3
512	Veṅkaṭādri . .	Narasam-Bhaṭṭa .	Bhairavāṛya . .	Do. .	Do. . .	4
513	Sadaśivāṛya . .	Kṛishṇāṛya . .	Pālagiri . .	Rik .	Ātrēya . .	3
515	Appala-Bhaṭṭa . .	Anna-Bhaṭṭa . .	Vāsudēva . .	Bahvri- cha.	Vasishṭha . .	2
516	Raghupati . .	Rāmachandrāṛya .	Sōlasa (?) . .	Yajus .	Ātrēya . .	4
518	Narasam-Bhaṭṭa .	Anbhalāṛya . .	Dēvulapalli . .	Do. .	Kauṇḍinya . .	6
519	Śivā-Bhaṭṭa . .	Yajñēśvara . .	Kādula . .	Do. .	Bhāradvāja . .	3
521	Kommā-Bhaṭṭa . .	Gauri-Bhaṭṭa . .	Tūmalūru . .	Do. .	Haritasa . .	5
522	Sōmāṛya . .	Yajñēśvara . .	Jonna[la*]gaṇḍa	Do. .	Do. . .	1
523	Timmayāṛya . .	Anbhalāṛya . .	Prattipāḍu . .	Do. .	Kaṇva . .	5
525	Narasam-Bhaṭṭa .	Yeru-Bhaṭṭa . .	Khyātacheru (?)	Do. .	Bhāradvāja . .	5
526	Padmanābha . .	Yeru-Bhaṭṭa . .	Prayāga . .	Do. .	Kauśika . .	3
528	Viṭṭhala . .	[Māra]-Bhaṭṭa . .	Khyātacheru (?)	Do. .	Bhāradvāja . .	7
529	Yajñēśva[ra] . .	Kṛishṇam-Bhaṭṭa .	Salla . .	Do. .	Kauṇḍinya . .	5
531	Raghupati-Bhaṭṭa .	Bhīmēśvara . .	Kolakalūr . .	Do. .	Bhāradvāja . .	Lost.
532	Appalāṛya . .	Mādhavāṛya . .	Kundavara . .	Do. .	Śrīvatsa . .	3
534	Padmanābha . .	[Pē]rru-Bhaṭṭa . .	Nandyāla . .	Do. .	Bhāradvāja . .	7

The sun's anom. (*c*) is 706·8393. The equation is similarly found by use of Tables LXVII or LXVII A. The nearest amount of "Argument" in Table LXVII A is 706·2500. Full work is as follows:—Diff. in anom. 0·5893. This, multiplied by the group-difference (*col.* 4) 0·2257, is 0·133005. This, divided by 2·083, is 0·0638. The equation of anom. 706·2500 is (*col.* 3) 117·181. This plus 0·0638=117·1819, the exact equation required.

Applying, as before, these exact equations of the values of anom. *b* and *c* to the value of *a*, we have—

		<i>a.</i>
As already found	.	1327·8907
Eqn. <i>b</i>	.	3·1546
Eqn. <i>c</i>	.	117·1819

The tithi-index, *t*, = 1448·2272

By the work as in Example 4 the tithi-index (*t*) at mean sunrise was 1448.

#### The karāṇa.

*Example 6.* The karāṇa is half a tithi. See Table LXVIII, cols. 4, 5. For the date we are examining (*Examples 3, 4, 5*), viz. śukla 5 (*Table, col. 2*), the two karāṇas are Bāva and Bālava. The tithi began (*end of Example 4*) 8<sup>h</sup> 9<sup>m</sup> before and ended 15<sup>h</sup> 31<sup>m</sup> after mean sunrise on 29 Aug. A.D. 1226. Its length was 23<sup>h</sup> 40<sup>m</sup>. Half of this is 11<sup>h</sup> 50<sup>m</sup>. Thus Bāva was the karāṇa from 8<sup>h</sup> 9<sup>m</sup> before to 3<sup>h</sup> 41<sup>m</sup> after mean sunrise on 29 Aug., and Bālava was the karāṇa from 3<sup>h</sup> 41<sup>m</sup> to 15<sup>h</sup> 31<sup>m</sup> on that day. Since the karāṇa mentioned in the given date was Bāva, the action referred to in the record must have taken place between mean sunrise and 3<sup>h</sup> 41<sup>m</sup> later on 29 Aug. 1226, i.e. roughly between 6·0 and 9·41 A.M. on that day.

#### The nakshatra.

*Example 7.* Required the nakshatra of the same day, month and year as in *Examples 3, 4, 5, 6*.

A nakshatra, or lunar mansion, is, in the equal-space system, a 27th part of the complete journey of the moon in a lunar month through the circle of the stars. Our nakshatra-index shews in which of these parts the moon was at any given moment. In these examples we are working for the true, not mean, moon's place. Each of these 27 parts has its own nakshatra-name and yoga-name (*see Example 8*). In the systems of Garga and the *Brahma-Siddhanta* the divisions of the constellation-circle are unequal, being designed more nearly to suit the positions of the principal stars<sup>1</sup>; but the names of the divisions are the same as in the equal-space system.

The indices of the beginning and ending points of the nakshatras are stated, in 10,000ths of the circle, in Table LXVIII. The same in degrees are given, together with those of the zodiacal solar signs, in "*Indian Chronography*," Table XXII.

(A) The rule for finding the nakshatra roughly, when working with only whole numbers, is as follows:—Take the *c* of the date; multiply it by 10; add the constant 7226 (*see § 502 above*); and deduct the amount of "equation *c*." This gives *s*, the sun's true longitude at mean sunrise of the given day. Add *s* to *t* and the result is *n*, the nakshatra-index. Reference with this index to Table LXVIII (*col. 8, or 9, or 10*) shews the nakshatra required, i.e. the

<sup>1</sup> Mr. G. R. Kaya, in his "*Astronomical Observatories of Jai Singh*" (p. 117), gives the actual lat. and long. of the stars after which the nakshatras were named.

Line of text.	Name of Donee.	Father's Name.	Name of Village or Family.	Śākhā.	Gōtra.	Amśas.
535	Sarvā-Bhaṭṭa . . .	Ōbhaḷārya . . .	Kaipa . . .	Yajus .	Kauṇḍinya .	2
537	Koṇḍu-Bhaṭṭa . . .	Śrīdhara-Bhaṭṭa . . .	Niḍuchanabeṭṭa .	Do. .	Do. .	3
538	Śūru-Bhaṭṭa . . .	Tirumalārya . . .	Śanagara (?) .	Do. .	Śrīvatsa .	7
540	[Ka ?]avaya . . .	Raṅgārya . . .	Rūpavatāra .	Bahvri- cha.	Bhāradvāja .	2
541	Lingārya . . .	Guruvā-Bhaṭṭa . . .	Gutti . . .	Yajus .	Kāśyapa . .	4
543	Koṇḍu-Bhaṭṭa . . .	Koṇḍu-Bhaṭṭa . . .	Tōṭapalli . . .	Do. .	Gautama . .	2
544	Kṛishṇa-Bhaṭṭa . . .	Aubhaḷārya . . .	Gutti . . .	Bahvri- cha.	Kāśyapa . .	3
546	Lakshmaṇa-Bhaṭṭa .	Yellārya . . .	Sāmag-Ōjhala .	Yajus .	Haritasa . .	7
547	Tirumala-Bhaṭṭa . .	Koṇḍu-Bhaṭṭa . . .	Tōṭapalli . . .	Do. .	Gautama . .	2
549	Kōṇa-Bhaṭṭa . . .	Koṇḍu-Bhaṭṭa . . .	Maṅkāla . . .	Do. .	Do. .	3
551	Pinakāmārya's wife Annāmā.	.....	Chirāvūru . . .	...	[Śrīvatsa]. .	1
						919

(Ll. 552-4.) The passage here is somewhat obscure. It seems to state that the charitable acts performed by Kṛishṇa [II] were equal to those done by Viśvanātha, Virabhūpa and Periya Nainār Mudali put together.<sup>1</sup>

(Ll. 555-9.) This order of the king Venkaṭapati-Rāya was the composition of Kṛishṇakavi-Kāmakōṭi, the grandson of Sabhāpati, and the engraving was executed by Virāṇa-mahāchārya, son of Gaṇapaya, under orders of Venkaṭa-mahārāya.

(Ll. 559-567.) The usual exhortatory and admonitory verses.

(L. 568.) The sign-manual "Śrī-Venkaṭēśa" in Telugu-Kannāḍa characters.

#### No. 24.—HULGUR INSCRIPTION OF THE REIGN OF VIKRAMADITYA VI : SAKA 999.

By LIONEL D. BARNETT.

Hulgūr, anciently named Hullumgūr, is a village in the Baṅkāpūr Division of Dhārwar District, and is situate in lat. 15° 5' and long. 75° 19½', some eight miles to the north-east from Shiggaon. It contains several inscriptions; among them is the present record, which was found on a stone standing against, or fixed in, the wall on the south side of the local temple of Siddha-ṅga. An ink-impression of it was made for the late Dr. Fleet, who bequeathed it with others to the British Museum. From it I now edit the text. The stone is surmounted by a rounded top, on which are sculptures: in the centre is a *liṅga*, and to the proper right of this are a cow and a calf; there were some other figures also, but they are now worn away. Below this is an inscribed area 2 ft. 7½ in. high and 1 ft. 4 in. wide. The character is Kanarese, of a some-

<sup>1</sup> [Excluding the (former) grants made to gods, Brāhmanas and *maṭhas* by Viśvanātha, Virabhūpa and Periya Nainār Mudali, the rest now granted by Kṛishṇa was to be enjoyed by the Brāhmanas mentioned, as an individual unit.—Ed.]

true moon's place amongst the constellations at mean sunrise, stated in 10,000ths of the circle. The moon's place in degrees, minutes, and seconds can be found by Table XLV B, Vol. XIV above.

Thus, by the figures in Example 4 :—

$$\begin{array}{r}
 c \times 10 = 7070 \\
 \text{Constant} + 7226 \\
 \hline
 4296 \\
 \text{Less eqn. } c - 117 \\
 \hline
 \text{Sun's true long., } s = 4179 \\
 \text{Tithi-index, } t, + 1448 \\
 \hline
 \text{Nakshatra-index } n = 5627 = (\text{Table LXVIII, cols. 8, } \overset{\vee}{9}, 10) \text{ Viśākṣā,} \\
 \text{by all systems.}
 \end{array}$$

This is approximately correct.

(B) Greater exactness can be obtained by using the decimals, thus—

$$\begin{array}{r}
 c \times 10 = 7068.3930 \\
 \text{Constant} + 7226.3542 \\
 \hline
 4294.7472 \\
 \text{Less eqn. } c - 117.1819 \\
 \hline
 s = 4177.5653 \\
 t + 1448.2272 \\
 \hline
 n = 5625.7925
 \end{array}$$

There is here a little difference in the resulting nakshatra-index, which may in some cases be as great as nearly 10 units owing to the roughness of the earlier method.

(C) The value of  $s$  at mean sunrise of the day in question can also be obtained easily by my Tables for the sun's true longitude for each day of the solar year given in Vol. XIV above. The following shews method of work :—

In the present case the serial number of the day in question was 241. True Māsha-samkrānti took place (see Example 3) on Day 84 at 3<sup>h</sup> 55<sup>m</sup> after mean sunrise. The day of our date was (241—84) the 157th period (each of 24 hours) after the moment of true Māsha-samkrānti. On this 157th day at 3<sup>h</sup> 55<sup>m</sup> after mean sunrise the sun's true longitude,  $s$ , was, in 10,000ths of circle, 4182.0049 (Table XLVIII A, Vol. XIV above, p. 32, col. 9). Deduct the values for 3 hours (Table XLIX, p. 54, sun's true motion on that 157th day) and 55<sup>m</sup> (Table I, mean motion in minutes), viz., respectively, 3.3852 and 1.0457, total 4.4309.

$$\begin{array}{r}
 4182.0049 \\
 - 4.4309 \\
 \hline
 \end{array}$$

$$\text{At mean sunrise } s = 4177.5740$$

This is the value of  $s$  at mean sunrise of the 29 August of our date, and, added to  $t$  (4177.5740 + 1448.2272), it gives us the correct nakshatra-index 5625.8012, shewing a slight difference of 0.0087 in results.

what crabbed and angular type of the period ; the letters are from  $\frac{1}{8}$  in. to  $\frac{1}{4}$  in. high. The language is Old Kanarese, except for three formal Sanskrit verses. The archaic *l* is replaced by *r* in *nār-ggavunḍu* (l. 14) and *parttiya* (l. 21 : see Kittel, s.v. *paṭti*) ; elsewhere it has become *l*. Initial *p* is retained. The *upadhmānīya* appears in *bhāginah-p°* (l. 31). The words *talabōgi* (l. 17), *ekavattige* (l. 19), *partti* (l. 21 ; the later *patti*, *hatti*), *maṭave* (l. 21), *Koylāli* (l. 22), and *puṭṭavaḷa* (l. 25) are of some lexical interest.

The record refers itself in ll. 2-6 to the reign of Tribhuvanamalla [Vikramāditya VI], and then in ll. 6-11 introduces as regent of the Beḷvala Three-hundred and Puligere Three-hundred the prince Trailōkyamalla Noḷamba-Pallava Permāḍi Jayasiṅgha, of the Pallava lineage, i.e. Vikramāditya's younger brother Jayasimha III, on whom see *Dyn. Kanar. Distr.*, p. 453. We are further informed in ll. 11-14 that the *nāl-gavunḍa* was the Mahāsāmanta Jayakōsiyarasa, of the Maṇaleyara lineage, whose device was a lion and who bore the title "lord of Puligere best of cities." This family appears also above, Vol. VI, p. 52, and *Ann. Report Mysore Arch. Dept.*, 1908-9, p. 16. Then follow, after the date, the specifications of endowments granted by some fiscal officers and others to a local Śaiva temple, under the trusteeship of Iśānasiṅgi Jiyar (ll. 14 ff.).

The date is given on ll. 14-16 as : Śaka 999 expired, the cyclic year Piṅgala ; Āshāḍha śu. 2 ; Sunday ; a *saṃkrānti*. This is quite regular. The *tithi* mentioned corresponded to Sunday, 25 June, A.D. 1077 ; it was current at sunrise of that day, and ended about 3 h. 37 m. after mean sunrise (for Ujjain). On the same day, about 13 h. 16 m. after mean sunrise, occurred the Karka-*saṃkrānti*, the following Monday being reckoned as the first day of Karka.

The only places mentioned are the two Three-hundreds of Beḷvala and Puligere (l. 9) and the town of Puligere (l. 12), on which see above, Vol. XIII, pp. 178, 328.

#### TEXT.<sup>1</sup>

[Metres : vv. 1, 3, *Anuṣṭubh* ; v. 2, *Śālini*.]

- 1 ◎ Namas=tuṃga-sīraś-chumbi-chaiṇdra-chāmara-chāravē trailōkya-nagar-ā-
- 2 raṃbha-māla-staṃbhāya Śaṃbhavē [||\* 1] e Svasti Samasta-bhuvan-āśraya
- Śrī-
- 3 Pṛithvi-vallabha mahārājādhirāja paramēśvara paramabhaṭṭārakam Satyā-
- 4 śraya-kuḷa-tīlakam Chāḷuky-ābharapam śrīma[t\*]-Tribhuvanamalla-dēvara
- 5 vijaya-rājyam=uttarōttar-ābhivṛiddhi(ddhi)-pravarddhamānam=ā-chaiṇdr-ārka-
- 6 tāram barām saluttam-ire ◎ Svasti samasta<sup>2</sup>-bhuvana-vikhyāta-Pallav-ā-
- 7 nvaya Śrī-Pṛithvi-vallabha-mahārājādhirāja-paramēśva(śva)ra-vīra pra-
- 8 tyaksha-Chāḷuā(ṇa)kya(in)u=amōgha-vākyaṃ śrīma[t\*]-Trailōkyamalla Noḷamba-
- Pa[1]la-
- 9 va Permāḍi Jayasiṅgha-dēvar | Beḷvala-mānūṛum Puligere-mū-
- 10 nūṛum=ant-erāḍ-āṇṇūṛumam suka(kha)-saṃkathā-vinōdadim rājyam-geyyutta-
- 11 m-ire ◎ Svasti samadhigata-paṃcha-mahā-sa(śa)bda-mahāsāmantaṃ Kali-yuga-
- Rēva[n]ta[m]

<sup>1</sup> From the ink-impression.

<sup>2</sup> The engraver has blundered over the *sta*, making it look like *gta*.



If, for even greater accuracy, instead of using the value of the sun's *mean* motion in 55<sup>m</sup>, we had worked by his *true* motion on that 157th day, viz. by dividing by 60 his true motion in 1 hour (*Table XLIX*, p. 54) and multiplying the result by 55, we should have found  $n = 5625.8092$ .

This method C, for finding the sun's longitude  $s$ , is believed to be absolutely accurate and should be relied on in case of doubt.

[For a note on the nakshatra see the next example.]

#### *The yōga.*

The nakshatra (*Example 7*), as quoted in the given date, shews in which of the 27 sidereal divisions the moon stood at the moment in question, or the extent of the moon's journey from celestial long. 0°. The yōga deals with the combined journeys of both sun and moon.

To find, therefore, the index of the yōga at mean sunrise of the given day we have to add the long. of the true sun to the long. of the true moon at that moment. But the long. of the true moon is the index  $n$ , i.e. the nakshatra-index already found. And the long. of the sun is the index  $s$ , also already found (*Example 7*).

Hence the yōga-index ( $y$ ) =  $s + n$ ; or, since  $n = s + t$  (*Example 7*),  $y = 2s + t$ . The latter formula makes it easy to find the yōga when it is unnecessary to find the nakshatra.

At mean sunrise of 29 Aug. A.D. 1226 we have found that  $s = 4177.5653$  and that  $n = 5625.7925$ ; hence the yōga-index ( $y$ ) = 9803.3578, and (*Table LXVIII*) the yōga of the day was 27 Vaidhriti.

#### *The several saṁkrāntis.*

*Example 9.* To find the values of  $a$ ,  $b$ ,  $c$  and  $t$  at the moments of the several solar saṁkrāntis in the given year, and thereby to find whether a lunar month was common, intercalary (*adhika*), or suppressed (*kshaya*).

A saṁkrānti takes place when the sun touches the point of a zodiacal sign, i.e. when he reaches long. 30°, 60°, etc. When, at the first of two such successive occurrences, the true moon is waning and at the second is also waning, or at the first is waxing and at the second is also waxing, the lunar month is common. If the moon is waning at the first and waxing at the second, the lunar month is repeated. It is intercalary (*adhika*). When the moon is waxing at the first and waning at the second, the lunar month is altogether suppressed (*kshaya*).

Thus it is necessary to find the  $a$ ,  $b$ ,  $c$  for the moment of the astronomical beginning of the solar year, the actual moment, that is, of the true Mēsha-saṁkrānti, and add to their values their respective increases during the several true solar months, thus obtaining the  $a$ ,  $b$ ,  $c$  for the moments of the true saṁkrāntis concerned. Adding to the value of  $a$  at the moment of a saṁkrānti the values of "equation  $b$ " and "equation  $c$ " (as in the former examples), we find the index of the tithi  $t$ , which shews whether the true moon was waxing or waning at the moment.

The date and time of the true Mēsha-saṁkrānti is given in *Table LXI*, cols. 13, 14, 17. The intervals in time to each subsequent saṁkrānti, and the collective intervals to each, are given in *Table LXIII B*, cols. 8 and 3; and the corresponding increases in the values of  $a$ ,  $b$ ,  $c$  are given in the same *Table*, cols. 9, 10, 11 and 4, 5, 6.

We will consider the conditions for the first few saṁkrāntis of the same year as in *Examples 3-8*, viz. A.D. 1226-27, K.Y. 4327, Śaka 1148.

- 12 Maṇaleyaṛ-ānvaya-prasūtaṁ siṁha-lāṁchohhaṇa-praṇātaṁ Puligere-purava-
- 13 r-śva(śva)raṁ saṁhara-Mahēśva(śva)raṁ sa[m\*]gara-mārttaṇḍa manneya-siṁga  
nām-ādi-samasta-pra[śa]-
- 14 eti-sahitaṁ śrīmat-Jayakēśiyarasar nār-ggavuṇḍu-geyye || Sa(śa)ka-nṛipa-[kā]-
- 15 [1]-ātita-samvatsara-sa(śa)taṁgala 999neya Pīṁgala-samvatsarada Āśaḍā<sup>1</sup>-  
su(su)ddha 2 Ā-
- 16 dityavāra saṁkrānti pavitr-ārōhaṇaḍaṁdu samasta-guṇa-saṁpannar-appa suṁ-
- 17 ka-verggaḍe Barmanna Aychimayyaṁ talabōgi Dāsiyannaṁ samasta-saṁkiga-
- 18 \* \* \* <sup>2</sup>Koylāśva(śva)ra-dēvargge dhyāna-dhāraṇa-mō(man)n-ānushthāna(na)-japa-  
samādhi-saṁpa-
- 19 [nna]r-appa Īśānasimgi-jiyara kālaṁ karehchi dhārā-pūrvvakarṁ mādi  
ekkavatti-
- 20 ge eleva pār=eraḍu paley=eleva pār=eraḍu kariy-[e\*]loya
- 21 pār=eraḍu antu pār=āru [1\*] Okkalu paṇaṁ mūru parttiya maḷavo
- 22 panneradu int=initumaṁ varisha-prati biṭṭar Koylāligal tamma
- 23 darirshinamam<sup>3</sup> biṭṭar kalpiya makkalge paṇav=aydu posa-Koylā-
- 24 lige paṇav=aydu darirshinam<sup>4</sup> pēruv=eleva pērimge viṣav=ondu mā-
- 25 laḡāra Barmmayyaṁ ondu pasadanada puttavalamaṁ biṭṭa \* \* [pa]-
- 26 nnirvvar=aruvatt-okkala dharmmaṁ [1\*] Int=i dharmmamamṁ pratipālisi[d-ātam]-
- 27 ge Gaṁgā-sāgaram Vāraṇāsī Su(ku)rukshētram Prayāgey=em̐b=[i puṇya]-
- 28 tirtthaṁgalaḷ sāsira kavilevaṁ sāsirva[r]=brāhmaṇargg=ubhayamu[khiyam]
- 29 koṭṭa phaḷam=akku || Int-i dharmmavan=aḷid-ātam inituman=aḷida [mahā-pāta-  
ka]-
- 30 n=akku || Sāmānyō=yaṁ dharmma-sētu[r\*] nṛipāṇām kālō kālō pāḷa[niyo  
bha]-
- 31 vadbhiḥ sarvvaṇ=ōtā(m)n=bhāḡinaḥ=pārthivāṁdrān=bhāyō bhāyō [yācha]-
- 32 tō Ramabhadrah | (||) [2\*] Sva-datt[ā\*]m para-datt[ā\*]m vā yō harēti(ta)  
vasundharā[m\*] sha[shfir=vva]-
- 33 rsha-sahasrāṇi viśhā(śhthā)vān jāyatō kṛimih | (||) [3\*] Paṇekāra Bā \* \*
- 34 gaṁge dhasavandhamam<sup>5</sup> biṭṭar

## TRANSLATION.

(Verse 1.) Homage to Śambhu lovely with the yak-tail fan which is the moon kissing his lofty head, the foundation-column for the construction of the city of the three worlds!

(Lines 2-6.) While the victorious reign of—hail!—the asylum of the whole world, favourite of Fortune and Earth, great Emperor, supreme Lord, supreme Master, ornament of Satyaśraya's race, embellishment of the Chakṛukyas, king Tribhuvanamalla, was advancing in a course of successively increasing prosperity, (to endure) as long as moon, sun, and stars:—

(Lines 6-11.) While he who is—hail!—of the Pallava lineage renowned throughout the whole world, a warrior of the Favourite of Fortune and Earth, the great Emperor, the

<sup>1</sup> Read *Āśaḍā*.<sup>2</sup> Read *darśanamam*.<sup>3</sup> Before this word is a letter which may be read as *kā* or *si*.<sup>4</sup> Read *darśanam*.<sup>5</sup> Read *dasavandamam*.

First we have to ascertain the values of  $a, b, c$  at the moment of true Mēsha-saṁkrānti which took place (*Table LXI, cols. 13, 14, 17*) at  $3^h 55^m$  after mean sunrise on Day 84, namely Wednesday, 25 March, A.D. 1226. The  $a, b, c$  for mean sunrise of Day 60, Sunday, 1 March, the day of Chaitra śukla 1, are given in cols. 23, 24, 25 of the same Table. Interval between the two, whole days,  $(84-60=)$  24. Taking down the  $a, b, c$  for 25 March and adding their increase for  $24^d 3^h 55^m$  from *Tables LXIV, LXV*, we find the values of  $a, b, c$  at the moment of true Mēsha-saṁkrānti, as required.

Table LXIII B gives us the exact interval in time and the amount of increase of  $a, b, c$ , during that interval, up to the moment of every subsequent saṁkrānti in the year. In close cases, of course, full decimals can be used and the equation-values very carefully examined, but in general it is only necessary to use whole numbers, as in this example. Only in a doubtful case need we do more.

We desire, let us suppose, to ascertain, from the values of  $t$  at the respective Mithuna and Karka-saṁkrāntis, whether the moon was waxing or waning at the moments of their occurrence. The work is as follows:—

	<i>d.</i>	<i>w.-d.</i>	<i>a.</i>	<i>b.</i>	<i>c.</i>
Mean sunrise, Chait. śuk. 1 ( <i>Table LXI</i> )	60	1	36	215	211
24 days' increase ( <i>Table LXIV</i> )	24	3	8127	871	66
3 hours' do. ( <i>Table LXV</i> )	.	.	42	5	0
55 minutes' do. (do.)	.	.	13	1	0
At moment of true Mēsha-saṁkrānti	84	4	8218	92	277
Interval to Mithuna-saṁk. ( <i>T. LXIII B, left side</i> )			+1105	262	171
At moment of Mithuna-saṁkrānti	.	.	9323	354	448 <sup>1</sup>
Eqn. <i>b</i> ( <i>Table LXVI</i> )	.	.	250		
Eqn. <i>c</i> ( <i>Table LXVII</i> )	.	.	41 <sup>1</sup>		
$t = 9614$					

This value of  $t$  shews that at the Mithuna-saṁkrānti the moon had not reached the point of new moon when  $t = 10,000$ . She was still waning.

	<i>a.</i>	<i>b.</i>	<i>c.</i>
At moment of Mithuna-saṁkrānti, as above	9323	354	448
Interval to Karka-saṁk. ( <i>T. LXIII B, cols. 9, 10, 11</i> )	703	147	47
At moment of Karka-saṁkrānti	26	501	535 <sup>1</sup>
Eqn. <i>b</i> ( <i>Table LXVI</i> )	138		
Eqn. <i>c</i> ( <i>Table LXVII</i> )	73 <sup>1</sup>		
$t = 237$			

[It is not really necessary, when it is seen that  $a$  (here 26) is greater than 0, to add the equations, because the value of  $a$  proves that the moon had begun a new synodical revolution and was waxing.]

The value of  $t$  (and  $a$ ) shews that the moon was waxing at the Karka-saṁkrānti. Thus the lunar month Āshāḍha (*see cols. 1, 2, Table LXIII B*) was intercalated in the given year.

The place of the moon at the moments of the later saṁkrāntis is obtained, if required, by a continuation of similar work and the use of Table LXIII B.

<sup>1</sup> See note to Table LXIII B. These values are given in the auxiliary Table. At the Mithuna-saṁkrānti  $c$  is always 448.0377 and eqn.  $c$  always 40.5619. At the Karka-saṁkrānti  $c$  is always 534.6213 and eqn.  $c$  always 72.5193.

supreme Lord, a manifest Chāṇakya, unfailing in speech, Trailōkyamalla Nalamba-Pallava Permāḍi Jayasiṅgha-dēva, was reigning with enjoyment of pleasant conversations over the two (provinces, together forming) a Six-hundred, of the Beḷvala Three-hundred and the Puligere Three-hundred :—

(Lines 11-14.) While—hail!—the Mahāsāmanta who has obtained the five great musical sounds, who has all titles of honour such as “Rāvanta<sup>1</sup> of the Kali Age, scion of the Maṇalevara lineage, renowned for the device of a lion, lord of Puligere best of cities, a Mahāśvara of battles, sun in the fray, lion of nobles,” Jayakēsiyarasa, was holding the office of County Gavunda :—

(Lines 14-21.) On Sunday, the 2nd of the bright fortnight of Āshāḍha in the cyclic year Piṅgaḷa, the 999th (year) of the centuries elapsed since the Śaka king's time, during a conjunction, at the pavitr-ārḍhana,<sup>2</sup> all the taxation-officers, the Controllers of Taxes Barmaṇṇa and Aychimayya (and) the taḷabōgi Dāsiyaṇṇa, having laved the feet of Isānasiṅgi Jiyar, who practises meditation, spiritual concentration, observance of silence, prayer, and absorption, with pouring of water (assigned) to the god Koylāśvara<sup>3</sup> two loads of ekkavattige betel-leaf, two loads of paḷe betel-leaf, two loads of kari betel-leaf—altogether six loads.

(Lines 21-26.) The Households assigned for every year the amount of three paṇa (and) twelve maḷave of cotton. The Koylāḷis assigned their temple-fee : for a trained damsel five paṇa, for a novice-Koylāḷi five paṇa, as temple-fee, (and) one visa on every load of betel-leaf carried. The florist Barmayya assigned one puṭṭavaḷa of decorations . . . twelve persons—the sixty Households' pious gift.

(Lines 26-30 : a prose formula of the usual type.)

(Verses 2-3 : two common Sanskrit verses.)

(Lines 33-34.) To the drummer Bā . . . ga they assigned a dasavanda.<sup>4</sup>

#### No. 25.—HULGUR INSCRIPTION OF THE REIGNS OF JAYASIMHA II (SAKA 960) AND THE YADAVA KANHARA.

By LIONEL D. BARNETT.

The site of Hulgūr has been discussed by me above, p. 329, in treating of the inscription of Śaka 999. From the second part of the present record, l. 32, we learn further that it was a Baṇaṇḍu-vaṭṭaṇa<sup>5</sup> or market-town of the Baṇaṇḍus or Vira-Vaḷaṇḍiyas, an important corporation of traders whose centre was at Aiyāvole (the modern Aihole), the seat of their Five-hundred Svāmis, and whose organisation seems to have spread over the greater part of Southern India. They claimed to have originally come from Ahichchhatra, and some of their records are couched in a tone of regal pomposity.<sup>6</sup> The present inscription was found at the temple of Kalamāśvara in Hulgūr, and an ink-impression, from which the text is now edited, was prepared for the late Dr. Fleet and bequeathed by him with others to the British

<sup>1</sup> See above, Vol. XIII, p. 313 n.

<sup>2</sup> See *Ind. Ant.*, Vol. 38, p. 52.

<sup>3</sup> The name Koylāḷa seems to be derived from the Tamil Kōyil-āḷa, “ruling in the temple”; and the Koylāḷis mentioned in the next paragraph must be the temple-women.

<sup>4</sup> See *Ind. Ant.*, Vol. 30, pp. 107, 267; *Ep. Carn.* X. 1 (Kolar), Mb. 172 f., 259, CB. 9, Bg. 71, Ct. 1, 14; *Kisāmedr Glossary*, p. 92.

<sup>5</sup> Definitions of the term vaṭṭaṇa are given in the *Kāṁikāgama* xx. 8 f. and *Yugādi-dēśanā* v. 50; see also my translation of the *Antagaḍa-dasāo*, p. 45.

<sup>6</sup> On these see *Mysore Inscr.*, pp. 73, 120, 123; *Epigr. Carn.*, VII. 1., Sk. 94, 118-19; *Madras Epigr. Report*, 1905-06, pp. 11, 17, 1912-13, pp. 99-102, 1914-15, p. 102; above, Vol. XIII, pp. 21, 26.

*Days of the solar year.*

*Example 10.* To find the day and week-day of the solar year corresponding to any given day in the luni-solar year.

The moment of true Mēsha-saṁkrānti, as given in Table LXI, cols. 13, 14, 17, marks the astronomical beginning of the solar year. In different parts of India (see *Indian Calendar*, § 28, p. 12, and *Indian Chronography*, § 43, pp. 18, 19) there are different rules for fixing the first day of the solar month, which is sometimes the same day, sometimes the next day, sometimes (in Bengal) the third day. In the present case we imagine the record to have come from the Tamil country and we work by the Tamil rule.

In the given year (*Example 3*), A.D. 1226, true Mēsha-saṁkrānti took place on Day 84 (measured from Jan. 1), Wednesday, 25 March, at 3<sup>h</sup> 55<sup>m</sup> after mean sunrise, and that Wednesday was the day "1 Mēsha" since the saṁkrānti occurred before sunset.

The days in Mēsha follow regularly. But to find the first civil day of each successive month in the year we must establish the moment when each saṁkrānti took place. This information is obtained from Table LXIII B.

We have determined the given date to be (see *Examples 4, 5*) the serial day 241 measured from Jan. 1, and the 157th day after the day on which Mēsha-saṁkrānti occurred, which was Day 84. Turn to Table LXIII B. Kanyā began 156 days after true Mēsha-saṁkrānti; so our date will be in the solar month Kanyā. Calculate the moment of occurrence of the Kanyā-saṁkrānti in the given year from the same Table.

	<i>d.</i>	<i>w.-d.</i>	<i>h.</i>	<i>m.</i>	<i>s.</i>
(Table LXI) True Mēsha-saṁkrānti . . .	(84)	(4)	3	55	0
(Table LXIII B) Interval to Kanyā-saṁk. .	(156)	(2)	10	24	25
Moment of Kanyā-saṁkrānti . . .	(240)	(6)	14	19	25

By Tamil rule, since the saṁkrānti took place after sunset, or 12<sup>h</sup> Laṅka time, viz. at 14<sup>h</sup> 19<sup>m</sup> 25<sup>s</sup> after mean sunrise, the civil day "1 Kanyā" was not (6) Friday (Day 240), 28 August, the day of the saṁkrānti, but was Saturday (Day 241), 29 August.

And this Saturday happens to have been the very day of our record, which day was in solar-year reckoning "1 Kanyā."

[Observe that, if the record had come from Bengal, its solar date would have been the same, since the saṁkrānti occurred before midnight on Friday and the Saturday was therefore "1 Kanyā." Had it come from Orissa, the Saturday would have been "2 Kanyā," since the first day of the solar month is, in that country, always the day of the saṁkrānti, and so "1 Kanyā" was the Friday. By the Malabar Rule "1 Kanyā" was Saturday.]

*The lagna.*

*Example 11.* On the day in question (*Example 7*) it has been established that at mean sunrise the sun's true long. *s*, in 10,000ths of the circle, was 4177.5653. To calculate the lagna we must have *s* in degrees, etc., which can be calculated by Table XLV B, Vol. XIV above, or by Tables XLVIII A, XLIX, L, in the same volume. We work by the latter.

The day of the record was the 157th after true Mēsha-saṁkrānti, which took place 3<sup>h</sup> 55<sup>m</sup> after mean sunrise on the day of its occurrence. Table XLVIII A (p. 32) shews that at 3<sup>h</sup> 55<sup>m</sup> after mean sunrise 157 days later the sun's true long., *s*, was 150° 33' 7".84. Deduct his motion (true) for 3<sup>h</sup> by Table XLIX (p. 54), viz. 7' 18".72, and (mean) for 55<sup>m</sup> by Table L, viz. 2' 15".52, total 9' 34".24. Then *s* at mean sunrise was 150° 23' 33".60.

The long. of the point of rising of Kanyā is (*Indian Chronography*, Table XXII) 150°, and that sign ends at 180°. Take the ending-point and calculate the distance between it and the sun at mean sunrise, 180°—150° 23' 33".60=29° 36' 26".40. There is no need here for

**Museum.** The stone is broken at the top, on the proper right, so that a considerable part of the text of ll. 1-7 is lost; otherwise it is in fairly good condition. Of the inscribed area the maximum height is 2 ft. 9½ in., its width being 2 ft. 4½ in. It contains two distinct records. The first of these, dated Śaka 960, and covering ll. 1-26, is in a fair sloping Kanarese script of the period, with letters varying from ⅔ in. to ½ in. The cursive *m* (above, Vol. XII, p. 335) occurs here only once, in *mūnūruṇ*, l. 7; the other cursives are not found. The second record, comprised in ll. 27-35, belongs to A.D. 1255, and is in the somewhat crabbed upright rounded Kanarese hand typical of that period; it shews a free use of all the cursives, *m* appearing in that form 10 times, *y* 4 times, and *v* 9 times, and it marks the aspiration in *qh* and *ph* by writing *q* and *p* with a curl underneath them very like a subscript *t*.—The language of the first record, which (so far as it is preserved) is entirely in prose, is Old Kanarese. It changes *l* to *r* in *ērpattam* (l. 15). The second record contains four introductory verses and one final verse in Sanskrit; the rest is in Kanarese prose, of the medieval dialect. We may note the spelling *yā* for *ā* (l. 31), initial *h* for *p* (*hammirvaru*, l. 32), mixture of *l* and *n* (*Vāraṇṣiyalu*, l. 33, beside *Vāraṇṣiyalu*, l. 34), and *l* from original *l* (*aḷi*°, ll. 34, 35). The word *dana-baḷa* (l. 33) is of some lexical interest; it seems to mean literally "cattle-section" (of land: cf. above, Vol. XIII, p. 179 and n.).

The first record, so far as it is preserved, begins with the statement that at the time of the donation the Three-hundreds of Belvala and Purigere were under the administration of the General Vāvaṇarasa, an officer of Jagadēkamalla (Jayasimha II), who among many other titles is described as "a comet (portending woe) to the Koṅkaṇ" (ll. 1-8). Then we are told that there was a *nāl-gāvunḍa* or county-sheriff of the Purigere Three-hundred, the Mahāsāmanta Irivabeḍaṅga Māraṣiṅga-dēva,<sup>1</sup> of the Maṇala or Maṇalēra family,<sup>2</sup> who among his many other titles bore that of "lord of Purigere best of cities" (ll. 8-12). Then is introduced, in anacoluthic style, a certain Nidugundara Būta Gāvunḍa (ll. 12-13); and after this a somewhat obscure episode of previous history is narrated (ll. 13-16), to the effect that after king Satyaśraya had gone away after taking possession of the Beṇṇegere Seventy<sup>3</sup> there was a lack of roast meal for the festival shows of Nidugunda (no doubt in consequence of the requisitions made by the royal army), and accordingly the above-mentioned Māraṣiṅga-dēva and his mother supplied the need. It seems that this event took place when Māraṣiṅga-dēva was serving as *nāl-gāvunḍa* of Purigere, some years previous to the present record. Reverting now to contemporary history, our record details its present business (ll. 16-26), stating that the *nāl-gāvunḍa* of the Purigere Three-hundred is now Jayakēsi, also of the Maṇalēra family, entitled "lord of Purigere best of cities" and bearing the device of a lion, and that in the Śaka year 960 the above-mentioned Būta Gāvunḍa obtained from him some land and granted it to a temple.

The second record opens with four Sanskrit verses (ll. 27-29), of which nos. 1 and 2 are devotional and nos. 3 and 4 complimentary addresses to the protagonist, the High Minister Tippa or Tipparasa. The following prose (ll. 29-33) reports a donation by Tipparasa and (his wife ?) Goṇa-māḍēvi in the 9th year of the reign of the Yādava Kanhara.<sup>4</sup> Concluding formulæ of the usual type follow.

<sup>1</sup> Cf. *Dynast. Kanar. Distr.*, p. 487.

<sup>2</sup> On this family cf. the Hulgūr record of Śaka 999, above.

<sup>3</sup> The exact force of the phrase *śrīman-Nāyibbarasiyar besase*, "on the command of Nāyibbarasi," is not quite clear. If, as seems probable, it qualifies the immediately following clause, it would appear that Nāyibbarasi was a dowager queen holding a position very like that of Akkā-dēvi in the next generation.

<sup>4</sup> See *Dynast. Kanar. Distr.*, p. 526 and n. 4.



The date of the first record is specified on ll. 24-25 as : Śaka 960, Bahudhānya; the *uttarāyana-samkrānti*; Sunday; the day of new-moon. This is not quite regular. The Makara-samkrānti for the given year occurred on Sunday, 24 December, A.D. 1038, at 4 h. 28 m. after mean sunrise. But that day, according to the *Sūrya-siddhānta*, corresponded to the *tithi* Pausa kṛishṇa 10, which ended about 2 h. 7 m. after mean sunrise, and not to the full-moon. Practically the same result is obtained if we reckon by the *Ārya-siddhānta*; by the former the *tithi*-index at mean sunrise was 8301, by the latter 8295, so that the difference is negligible.<sup>1</sup>

The date of the second record is given on ll. 30-31 as : the 9th year of the reign of the Yādava Kāhara (Kanhara), Ānanda; the full-moon of Phālguna; Monday; the *yōga* Vyatipāta; a *samkrānti*. This is fairly regular. The *tithi* corresponded to Monday, 22 February, A.D. 1255, ending about 21 h. 54 m. after mean sunrise. The *Mina-samkrānti*, according to the *Ārya-siddhānta*, took place 7 h. 50 m. after mean sunrise on the following day, viz. Tuesday, 23 February, only about 10 hours after the moment of full-moon.<sup>2</sup>

The geographical names that occur are : the Koṅkaṇ (l. 5); the Beḷvala Three-hundred (l. 6); the Purigere Three-hundred (ll. 6, 11 f., 23 f.); Purigere city (ll. 9, 17); the Bennegere Seventy (l. 15); Niḍugunda (l. 15 f.); Huluhūṅūr (l. 32); and Benares (l. 33 f.). Purigere town is the modern Lakshmēshwar (see above, Vol. XIII, p. 179, XIV, p. 188). Bennegere seems to be Bengeri ("Bhingerree" of the Indian Atlas sheet 41 of 1852), situate in lat. 15° 21½' and long. 75° 12½', about 1½ miles north of New Hubli. Niḍugunda is perhaps Niḍgundi, in lat. 14° 56½' and long. 75° 14½', nearly 4 miles S.S.W. from Shiggaon. Huluhūṅūr is the modern Hulgūr.

TEXT.<sup>3</sup>

- 1 . . . . .
- 2 . . . . . ta mahā-prachanḍa- . . . . . [ā]śr[i]ta-jana-
- 3 [danḍanāyaka] . . . . . [?] brahma-rā]kshasam | ripu-
- 4 [chintāmaṇi] . . . . . kurāṅga-paṁchānanam | piri-
- 5 . . . . . [pra]hāri | giri-durgga-malla
- 6 | Komkaṇa-dhūma-kētu | (P)pa-
- 7 . . . . . Kannaya-disā(śā)-paṭṭam | śrimaj-Jagadēkamalla-
- 8 dēva-pāda-paṁkaja-[bh]ra-
- 9 [marām śrī]mad-danḍanāyaka Vāvaṇarasar Beḷvala-mūnūṛum Purigere-
- 10 mūnūṛuvam [dushta]-
- 8 [nigra]ha-visi(śi)shṭa-pratipālanadiṁ sukha-samkha(ka)thā-vinōdadin-ē]uttam-ire ©
- 9 Samadhiga[ta-pari]-
- 9 [cha-ma]hā-sa(śa)bda-mahāsāvanta | Kali-yuga-Révanta | Purigere-puravar-ēśva-
- 10 (śva)raṁ | samara-Mā(ma)hē[śvaraṁ |
- 10 Maṇala-mārttaṇḍa | gaṇḍaro[gaṇḍa | manneya-siṁgam | sāhas-ōttuṅga[m\*] |
- raṇa-raṅga-mallam | ahita-[sellam ? |]

<sup>1</sup> For the reference, to the *Ārya-siddhānta* I am indebted to Mr. R. Sewell, who with his usual kindness has checked my calculations.

<sup>2</sup> The Vyatipāta *yōga* seems to be added *honoris causa*, as often happens (see Mr. Venkatasubbiah's *Some Śaka Dates in Inscriptions*, p. 19 ff.)

<sup>3</sup> From the ink-impression.



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(The lagna requires a short calculation by itself.)

The above decides the solar month, day and week-day.

" " " " luni-solar month, day and week-day.

" " " " tithi.

" " " " karana.

" " " " nakshatra.

" " " " yōga.

" " " " the positions of sun and moon, their longitudes, and distance from another.

" " " " the time of day referred to, within 2 hours.

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- 11 subhaṭa-chūḍāmaṇi | śrūḍa(ḍha)-vidyādharaṁ | śrīmad-Iṣivabeḍaṁga Mārasimha-  
dēvaṁ Puri[ge]re-mā-
- 12 nūṛakk[e\*] nāl-gāvunḍu-geyye © Samasta-guṇa-saṁpanna | nuḍidu matt-  
ennaṁ [ | Sōmē]sva(śva)ra-dāsi | gōtra-
- 13 pavitraṁ | tolagada Mēru | śrī . . . . . [Niḍugum]dara Būta-  
Gāvunḍanaṁ © Sukala-vimalad-ana-
- 14 varata . . . [la]kshmi . . . . . Jaina-dharma-samudhharane | śrīman-  
Nāyibbarasiyar besase Satyā-
- 15 sra(śrī)ya-dēvar-allige vōgi Bennegerey-ērpattam paḍadu bandad-abbegaḷum  
Mārasimha-dēvanum mechchi Niḍugum-
- 16 da-golakke beṁda piṭṭ-ill=endu koṭṭar © Svasti samadhigata-paṁcha-mahā-  
śabda-mahāśāvanta | Kali-yu-
- 17 ga-Rēvantaṁ | Maṇalēr-ānvaya-prasūtaṁ | siṁga-lāmochohana-prasūtaṁ |  
Purigere-puravar-ēśvaraṁ |
- 18 samara-Mahāśvaraṁ | Bhagavad-Arhat-Paramēśvara-parama-bhaṭṭāraka-pada-kala-  
madhukaraṁ | samya-
- 19 kt[v\*]a-ratnākaraṁ | prachanḍa-maṇḍalāgra-maṇḍita-dōr-ddaṇḍa | saṁgara-  
mārttaṇḍaṁ | Jina-dharma-bhūsha-
- 20 naṁ | vinaya-saṁbhāṣaṇaṁ | bhṛitya-chintāmaṇi | subhaṭa-chūḍāmaṇi | matta-  
gaja-malla(m)|-n-artthige
- 21 nallaṁ | haya-Vatsa-rājāṁ | varaṇi<sup>1</sup>-sura-[sura\*]-bhūjaṁ | satya-Rādhēyaṁ |  
nripa-Vainatēyaṁ | sa(śa)raṇ-ā-
- 22 gata-jalanidhi | guṇa-ratna-payōnidhi | kāmīni-Kāmaṁ | Maṇalara Bhīmaṁ |  
ari-manneya-tala-pra-
- 23 hāri | vairi-saṁhāri | nām-ādi-samasta-prasa(śa)sti-sahitaṁ śrīmaḥ-Jayakēśi  
Purigere-mū-
- 24 nūṛakkam nāl-gāvunḍu-geyyo(yye) Sa(śa)ka-varsha 960neya Bahudhanya-  
saṁvatsarada uttarāyana-saṁkramaṇa
- 25 Ādityavāra amavāseyaṁdu Niḍugundara Būta-Gāvunḍam Jayakēśiyarasaralli  
sarvva-namaśya(sya)-
- 26 m-ēge paḍedu Nārāyaṇa-dēvargge chhatrada keyya poreyalu biṭṭa gaḷeya  
mattar=eraḍu ©
- 27 ✠ Namah(s)=tuṁga-śira[ś\*]-chumbi-chandra-chāmara-chāravō trailōkya-nagar-  
ārambha-māla-stambhāya Sa(śa)mabhavō || [!\*] Praśānt-āsō(śō)sha-vighrāya  
darppa-ga(sa)rpp-ā-
- 28 pasarppinō | namah kshēma-nidānāya śva(śva)-prakāśa-vikāśivō(nō) || [2\*]  
Svastayastu<sup>2</sup> Tippa-mamtrīsa tubhyam=ā-chandra-tārakam | bhāti yatu-kīrtti-  
saṁsparśā[t\*]
- 29 sarvva-stā(śu)klā Sarasvatī || [3\*] Guṇā(ṇa)vati yāsa<sup>3</sup> chhatra-chchhāyām-  
āśritya sarvvadhā(dā) | jiva-(?)dhvamu<sup>4</sup> kshīpratayō(yā) |<sup>5</sup> ga(sa)revam-  
arvvā[k\*]-karīṣata<sup>6</sup> || [4\*] ✠ Svasti śrīmatu-Yāda-

<sup>1</sup> Read dharaṇi.

<sup>2</sup> Read kshīmaṇa.

<sup>3</sup> Read Svasty=astu.

<sup>4</sup> This daṇḍa is superfluous.

<sup>5</sup> Read gasya.

<sup>6</sup> Read karīṣyati.

TABLE A.

DIFFERENCES IN THE CALENDAR BETWEEN ĀRYA AND ŚĀRYA SIDDHĀNTA FIXTURES.

*Cols. 1, 2.*—The number of the year here given is the one generally used in records of the year A.D. noted in column 3, and is stated here so as to catch the eye readily. In referring to the main Table LXXI the number of the year in columns 1, 2 therein is the present number advanced by 1, being the corresponding concurrent year.

*Col. 4, Class A.*—Different samvatsara-names given to solar and luni-solar years.

*Col. 4, Class B.*—Intercalations and suppressions of different lunar months. "adh." = an intercalated (adhika) months; "ksh," a suppressed (kshaya) month.

*Col. 4, Class C.*—Differences in the civil day called "Chaitra Śukla 1," the civil beginning of the luni-solar year. The figure in brackets in columns 5, 6 is the number of the civil day measured from January 1st.

K. Y. expired.	Śaka expired.	A. D.	Class.	FIXTURES ACCORDING TO THE	
				First Ārya-Siddhānta.	Śārya-Siddhānta.
1	2	3	4	5	6
4007	828	906-7	A	1 "Prabhava" . . .	60 "Kshaya."
4008	829	907-8	A	2 "Vibhava" . . .	1 "Prabhava."
4009	830	908-9	A	3 "Sukla" . . .	2 "Vibhava."
4075	896	974-75	B	4 Āshādha (adh.) . . .	3 Jyēshṭha (adh.)
4080	901	979-80	B	6 Bhādrapada (adh.) . . .	3 Jyēshṭha (adh.)
4092	913	991-92	A	27 "Vijaya" . . .	26 "Nandana."
4093	914	992-93	A	28 "Jaya" . . .	27 "Vijaya."
4094	915	993-94	A	29 "Manmatha" . . .	28 "Jaya"
4096	916	994-95	A	30 "Durmukha" . . .	29 "Manmatha."
4169	980	1058-59	B	4 Āshādha (adh.) . . .	3 Jyēshṭha (adh.)
4177	998	1076-77	A	53 "Siddhārthin" . . .	52 "Kālayukta."
4178	999	1077-78	A	54 "Raudra" . . .	53 "Siddhārthin."
4179	1000	1078-79	A	55 "Durmāti" . . .	54 "Raudra."
4180	1001	1079-80	A	56 "Dundubhi" . . .	55 "Durmāti."
4193	1014	1092-93	C	11 Mar. (71), 5 Thur. . .	12 Mar. (72), 6 Fri.
4232	1053	1131-32	B	5 Śrāvaṇa (adh.) . . .	4 Āshādha (adh.)
4251	1072	1150-51	B	5 Śrāvaṇa (adh.) . . .	4 Āshādha (adh.)
4256	1077	1155-56	B	Nī . . .	12 Phālguna (adh.)
4257	1078	1156-57	B	1 Chaitra (adh.) . . .	Nī.
id.	id.	id.	C	23 Feb. (54), 5 Thur. . .	24 Mar. (54), 0 Sat.
4262	1083	1161-62	A	19 "Pārthiva" . . .	18 "Tāraka."
4263	1084	1162-63	A	20 "Vyaya" . . .	19 "Pārthiva."

- 30 va-Nārāyaṇa bhuja-bāḷa prauḍha-pratāpa | chakravartti śrī-Kaṁhnara-dēva-  
vijaya-rājya-ōdaya-varshada eneya Ām(a)namda-samvatsarada Phālgua(na)da  
paurṇa-
- 31 mi Sōmavāra vyatipāta samkrāntiyāṁdu svasti samasta-prasa(śa)sti-sahitam  
śrīmanu-mahāpradā(dhā)nam Tipparasaram yā sarvv-āṅga-lakshmi Goṇa-mā-
- 32 dēviyam=ā śrīmad-ā(a)nādi-Baṇamju-vaṭṭaṇam Hulungūra haṁnirvvaru gāvumḍu  
samasta-praje nakhara murumum(mu)ri-damḍamgaḷige
- 33 ā sta(stha)lada dana-bāḷavanu sarvva-namasyav=āgi biṭṭaru [\*] Yi(1) dharmna-  
(rmma)vaṁ pratipālisidavaru Vāraḷā(ṇa)siyalu sahasra<sup>1</sup> kavileyanu
- 34 brāhma[ṇa\*]rige vubhayamukhiy=ā dāna māḍida phalav=aku Yi(1) dharmmaman=  
alipid-ātaṅge Vāraṇāsiyalu sahasra(sra) kavile-
- 35 yanu alida pāpam || Sva-dattām para-datt[ā\*]m vā yō harēti(ta) vasumḍha-  
r[ām\*] sa(sha)shṭir=varusa<sup>2</sup>-sahasraṇi viṣṭāyām<sup>3</sup> jāyatō krimi<sup>4</sup> || [5\*]

## TRANSLATION.

(Lines 1-8.) When . . . the great august general . . . tree of desire to seekers of his protection, wishing-gem to dependents . . . lion to the deer his foes . . . athlete against mountain-fastnesses, comet to the **Koṅkaṇ** . . . *disā-paṭṭa*<sup>5</sup> to **Kannaya** (?), bee to the lotus-feet of king **Jagadēkamalla**, the General **Vāvaṇarasa**, was ruling with enjoyment of pleasant conversations the **Beḷvala Three-hundred** and the **Purigere Three-hundred**, so as to suppress the wicked and protect the cultured :—

(Lines 8-12.) While the **Mahāsāmanta** who has obtained the five great (*musical*) sounds, a **Rēvanta**<sup>6</sup> of the **Kali Age**, lord of **Purigere best of cities**, a **Mahēśvara** in the fray, a sun of the **Maṇalas**, man of might among men of might, lion to nobles, lofty in bravery, athlete on the stage of battle, arrow (?) to foes, crest-gem of bold warriors, master of exalted arts, **Irivabedaṇga Mārasiṅga-dēva**, was holding the county-shrievalty for the **Purigere Three-hundred** :—

(Lines 12-13.) And . . . **Niḍugundara Būta Gāvunḍa**, who possesses all virtues, who after speaking says not otherwise, a servant of **Sōmēśvara** [Śiva], purifying his **Gōtra**, an immoveable **Mēru**—

(Lines 13-16) . . . at the command of **Nāyibbarasi**, who is a genius of ceaseless . . . of perfect purity, a restorer of the Jain religion, king **Satyāśraya** on going thither took possession of the **Bennegere Seventy** and went away, his mother and **Mārasiṅga-dēva**, seeing that there was not any roast meal for the festival-shows of **Niḍugunda**, were pleased to make a gift (*of the same*)<sup>7</sup>

(Lines 16-24.) Hail ! While the **Mahāsāmanta** who has obtained the five great (*musical*) sounds, who bears all the titles of honour such as : “a **Rēvanta** of the **Kali Age**, sprung from the **Maṇalēra** lineage, renowned for his device of a lion, lord of **Purigere best of cities**, a **Mahēśvara** in the fray, a bee to the lotus-feet of the Lord [Vishṇu], the **Arhats** [Jinas], **Paramēśvara** [Śiva], and the **Supreme Master**,<sup>8</sup> a jewel-mine of righteousness, he whose rod-like arm is

<sup>1</sup> The engraver has written *saḥra*, and then added a small *sra* over the right hook of the *h*.

<sup>2</sup> Read *varsha*.

<sup>3</sup> Read *viṣṭāyām*. A vowel *u* is attached to the *vi*.

<sup>4</sup> Read *krimiḥ*.

<sup>5</sup> This seems to be the same word as *disā-paṭṭa*, explained s.v. by Kittel as “causing (his enemies) to be scattered in all directions.”

<sup>6</sup> See above, Vol. V, p. 236 n., Vol. XIII, p. 813.

<sup>7</sup> [The object of the grant was evidently the remission of the tax *benda pittu*. *Satyāśrayadēvar-allige* means “to **Satyāśrayadēva**,” and *abbeḷaḷum* refers to **Nāyibbarasi** queen of **Mārasiṅgadēva**. The donee was **Būta Gāvunḍa**.—H. K. S.]

<sup>8</sup> Apparently this means the **Chāṇakya** king.

TABLE A—Contd.

K. Y. expired.	Śaka expired.	A. D.	Class.	FIXTURES ACCORDING TO THE	
				First Ārya-Siddhānta.	Sūrya-Siddhānta.
1	2	3	4	5	6
4264	1085	1163-64	A	21 "Sarvajit" . . .	20 "Vyaya."
4265	1086	1164-65	A	22 "Sarvadhārin" . . .	21 "Sarvajit."
4313	1134	1212-13	B	7 Āśvina (adh.) . . .	7 Āśvina (adh.).
4348	1169	1247-48	A	11 Māgha (ksh.) . . .	45 "Virōdhakṛit."
4349	1170	1248-49	A	12 Phālguna (adh.) . . .	46 "Paridhāvin."
4350	1171	1249-50	A	46 "Paridhāvin" . . .	47 "Pramādin."
4351	1172	1250-51	A	47 "Pramādin" . . .	48 "Ānanda."
4356	1177	1255-56	A	48 "Ānanda" . . .	48 "Ānanda."
4378	1199	1277-78	C	49 "Rākshasa" . . .	10 Mar. (69), 4 Wed.
4397	1218	1296-97	B	11 Mar. (70), 5 Thur.	8 Kārttika (adh.).
4416	1237	1315-16	B	9 Mārgaśīra (adh.) . . .	10 Pauṣa (ksh.).
4433	1254	1332-33	B	10 Pauṣa (ksh.) . . .	12 Phālguna (adh.).
4434	1255	1333-34	B	12 Phālguna (adh.) . . .	9 Mārgaśīra (adh.).
4435	1256	1334-35	B	12 Phālguna (adh.) . . .	10 Pauṣa (ksh.).
4436	1257	1335-36	B	12 Phālguna (adh.) . . .	12 Phālguna (adh.).
4454	1275	1353-54	B	12 Phālguna (adh.) . . .	8 Kārttika (adh.).
4471	1292	1370-71	B	12 Phālguna (adh.) . . .	9 Mārgaśīra (ksh.).
4481	1302	1380-81	B	3 Jyēṣṭha (adh.) . . .	12 Phālguna (adh.).
4492	1313	1391-92	B	Nil.	11 "Īsvara."
4509	1330	1408-9	B	7 Āśvina (adh.) . . .	12 "Bahudhānya."
4511	1332	1410-11	B	3 Jyēṣṭha (adh.) . . .	13 "Pramāthin."
4518	1339	1417-18	B	7 Āśvina (adh.) . . .	14 "Vikrama."
4519	1340	1418-19	B	3 Jyēṣṭha (adh.) . . .	14 "Vikrama."
id	id.	id.	B	7 Āśvina (adh.) . . .	6 Bhādrapada (adh.).
4520	1341	1419-20	B	8 Kārttika (adh.) . . .	2 Vaiśākha (adh.).
4521	1342	1420-21	B	11 Māgha (ksh.) . . .	8 Kārttika (adh.).
4537	1358	1436-37	B	12 Phālguna (adh.) . . .	9 Mārgaśīra (ksh.).
4557	1378	1456-57	B	40 "Parābhava" . . .	6 Bhādrapada (adh.).
4566	1387	1465-66	B	41 "Plavaṅga" . . .	2 Vaiśākha (adh.).
			B	18 Mar. (78), 1 Sun.	6 Bhādrapada (adh.).
			B	8 Kārttika (adh.) . . .	37 "Śōbhana."
			B	10 Pauṣa (ksh.) . . .	38 "Krōdhin."
			B	12 Phālguna (adh.) . . .	8 Kārttika (adh.).
			B	2 Vaiśākha (adh.) . . .	39 "Viśvāvasu."
			B		40 "Parābhava."
			B		10 Mar. (79), 2 Mon.
			B		8 Kārttika (adh.).
			B		1 Chaitra (adh.).

adorned by a terrible scimitar, a sun of battles, an ornament of the Jinas' Church, conversing with refinement, wishing-gem to dependents, crest-gem of bold warriors, athlete against furious elephants, friend to the needy, a Vatsa-king<sup>1</sup> with horses, a celestial tree to Brāhmaṇas a Rādhā's son [Karna] in truthfulness, a Vinatā's son [Garuḍa] among kings, an ocean to seekers of his protection, an ocean of gems of virtues, a Love-god to lovely women, a Bhīma of the Maṇalaka a cuffer of hostile nobles, a destroyer of foes," Jayakēsi, was holding the office of county-sheriff for the Purigere Three-hundred :—

(Lines 24-26.) At the *uttarāyana-samkrānti*, on Sunday, the day of new-moon, in the cyclic year Bahudhanya, the 960th (year) of the Śaka era, Niḍugundara Būta Gavuṇḍa granted to the god Nārāyaṇa two *matṭar* according to the rood, which he had obtained from Jayakēsiyarasa on *sarva-namasya* tenure, at the side of the field of the rest-house.

(Verse 1.) Homage to Śambhu lovely with the yak-tail fan that is the moon kissing his lofty head, the foundation-column for the construction of the city of the threefold world.

(Verse 2.) Homage to him who stills all obstacles, who casts out the serpent of pride, who brings prosperous ending, who reveals himself in native radiance.

(Verse 3.) Good fortune be thine as long as moon and stars endure, O great Minister Tippa by contact with whose fame Sarasvatī shines in perfect whiteness ;

(Verse 4.) Coming under the shadow of whose parasol, the excellent<sup>2</sup> Lady who bestoweth all [Fortune] shall with speed bring hither complete prosperity of life.

(Lines 29-33.) On Monday, the full-moon day of Phālguna in the cyclic year Ānanda, the 9th of the years of the rise of the victorious reign of king Kahnara, the Nārāyaṇa of the Yādavas, the Emperor strong of arm (and) splendid of majesty, during the Vyatpāta (*yōga*), in a conjunction, the High Minister Tipparasa, who possesses all titles of honour, and Goṇa-mādēvi, that perfect Goddess of Fortune, granted to the twelve Sheriffs of Hulugūr, the immemorial town of the Baṇaṇḥus,<sup>3</sup> to the whole population, the merchants, and the *mummuri-daṇḍas*<sup>4</sup> a cattle-pound (?) for that place on *sarva-namasya* tenure.

(Lines 33-35 : a Kanarese prose formula of the usual type.)

(Verse 5 : a common Sanskrit commonitory verse.)

## No. 26.—TILVALLI INSCRIPTION OF THE REIGN OF SOMESVARA I.

By LIONEL D. BARNETT.

Tilvalli is a village in the Kōḍ taluka of Dhārwar district, situated in about lat. 14° 37½' and long. 75° 17'. The name is spelt in the Indian Atlas sheet 42 as "Teelowly," and in the Bombay Survey sheet 310 as "Tilvalli." The present record was transcribed for the Elliot Collection, Vol. I, fol. 75a. of the Royal Asiatic Society's copy. The copyist there states that it was found in the temple of Saṅkōji Basappa in front of the Turchi Maṭh ; but a note which I have found among the papers of the late Dr. Fleet reports that in his time it was on a slab standing in the temple of Virabhadra near the Charchi Maṭh. An ink-impression of it was made for Dr. Fleet, and bequeathed by him to the British Museum. The slab is a mere fragment : besides a strip along the left-hand side, the whole of the latter part is missing. What remains is 2 ft. 5½ in. broad, and 2 ft. 3 in. high. It is surmounted by some sculptures, namely, a *linga* on stand in the centre, with officiant priest by the side ; to the proper right

<sup>1</sup> See above, Vol. V, p. 236, Vol. XIII, p. 313 n.

<sup>2</sup> The adjective *guṇavarāḥ* seems chosen for the sake of a play upon the name of Goṇa-mādēvi (ll. 31-32), who would seem to be the wife of Tippa.

<sup>3</sup> See above, p. 332.

<sup>4</sup> A class of officials : see above, Vol. XIII, p. 26.

TABLE A—Contd.

K. Y. expired.	Saka expired.	A. D.	Class.	FIXTURES ACCORDING TO THE	
				First Ārya-Siddhānta.	Sūrya-Siddhānta.
1	2	3	4	5	6
4574	1395	1473-74	C	28 Feb. (59), 1 Sun.	27 Feb. (58), 0 Sat.
4576	1397	1475-76	B	7 Āsvina (adh.) . . .	7 Āsvina (adh.) . . .
4587	1408	1486-87	B	10 Pausa ( <i>ksh.</i> ) . . .	11 Māgha ( <i>ksh.</i> ) . . .
4603	1424	1502-3	A	12 Phālguna (adh.) . . .	12 Phālguna (adh.) . . .
4604	1425	1503-4	A	6 Bhādrapada (adh.) . . .	5 Śrāvaṇa (adh.) . . .
id.	id.	id.	B	4 "Pramōda" . . .	3 "Sukla."
4605	1426	1504-5	A	5 "Prajāpati" . . .	4 "Pramōda."
4606	1427	1505-6	A	2 Vaisākha (adh.) . . .	1 Chaitra (adh.) . . .
id.	id.	id.	B	6 "Āngirasa" . . .	5 "Prajāpati."
4607	1428	1506-7	A	7 "Śr mukha" . . .	6 "Āngirasa."
4608	1429	1507-8	A	6 Bhādrapada (adh.) . . .	5 Śrāvaṇa (adh.) . . .
4609	1430	1508-9	A	8 "Bhāva" . . .	7 "Śrīmukha."
4610	1431	1509-10	A	9 "Yuvan" . . .	8 "Bhāva."
4611	1432	1510-11	A	10 "Dhātri" . . .	9 "Yuvan."
4612	1433	1511-12	A	11 "Īśvara" . . .	10 "Dhātri."
4613	1434	1512-13	A	12 "Bahudhānya" . . .	11 "Īśvara."
4614	1435	1513-14	A	13 "Pramāthin" . . .	12 "Bahudhānya."
4615	1436	1514-15	A	14 "Vikrama" . . .	13 "Pramāthin."
4622	1443	1521-22	B	15 "Vṛisha" . . .	14 "Vikrama."
4644	1465	1543-44	B	16 "Chitrabhānu" . . .	15 "Vṛisha."
4659	1480	1558-59	C	<i>Nil.</i>	8 Kārttika (adh.) . . .
4660	1481	1559-60	B	6 Bhādrapada (adh.) . . .	9 Māgha ( <i>ksh.</i> ) . . .
4679	1500	1578-79	B	21 Mar. (80), 2 Mon.	5 Śrāvaṇa (adh.) . . .
4682	1503	1581-82	C	8 Kārttika (adh.) . . .	20 Mar. (79), 1 Sun.
4689	1510	1588-89	A	11 Māgha ( <i>ksh.</i> ) . . .	7 Āsvina (adh.) . . .
4690	1511	1589-90	A	12 Phālguna (adh.) . . .	7 Āsvina (adh.) . . .
4691	1512	1590-91	A	8 Kārttika (adh.) . . .	5 Mar. (84), 1 Sun.
4692	1513	1591-92	A	6 Mar. (65), 2 Mon.	30 "Durmukha."
4693	1514	1592-93	A	31 "Hōmalamba" . . .	31 "Hōmalamba."
4694	1515	1593-94	A	32 "Vilamba" . . .	32 "Vilamba."
			A	33 "Vikārin" . . .	33 "Vikārin."
			A	34 "Śārvarin" . . .	34 "Śārvarin."
			A	35 "Plava" . . .	35 "Plava."
			A	36 "Subhakṛit" . . .	

of this, a cow with calf; to the left of it, a bull; above it, the sun; to the proper left, the moon.—The character is fair Kanarese of the period, angular and slanting, with letters varying in height from  $\frac{1}{4}$  in. to  $\frac{1}{2}$  in. The cursive *m* (above, Vol. XII, p. 335) occurs in *rājyam* (l. 5), *-samāne* (l. 6), and *śrīma*[t\*]- (l. 7).—The language is Old Kanarese. The *l* is preserved, scil. in *negalāḍ-īḍa* (l. 19). The *l* is doubled before *y* in *kallyāṇ*- (l. 6); cf. Pāṇini, VIII, iv. 47, and *Siddhānta-kaumudī*, 48; and the *upadhmanīya* appears in *-āntaḥpura*- (l. 7). We may note the instrument *-śrīye* in ll. 1-2, on which cf. above, Vol. XIV, p. 127, n. 9. The words *kāṇikāra* and *aṭṭhāṇa* (l. 12) are of some lexical interest. The first of these occurs in an inscription of Kolār, in the phrase *vaḍḍa-rāvuḷada kāṇikāra*; so it denotes some fiscal officer; and *aṭṭhāṇa* may be from Skt. *āsthāna*.

The record opens (ll. 1-2) with a *kanda* verse which may be thus rendered:—"By Fortune's blessed benediction (*is won*) the realm of bliss of glory (*and*) of bliss of victory; in the primal summit by Fortune's blessed benediction may Abhava [Śiva], (*who is*) the realm of bliss of glory (*and*) of bliss of victory, be won." Then, after an ungrammatical salutation to Śiva (l. 2), it refers itself to the reign of Trailōkyamalla [Sōmēśvara I] (ll. 3-6), and announces that at the time his senior queen Mañjala-dēvi was administering the Banavāsi Twelve-thousand (ll. 6-9).<sup>1</sup> Next it proceeds to give the names and titles of certain high fiscal officers who apparently made an endowment for the cult of Śiva (ll. 9 ff.), and breaks off before giving the details of their arrangements. These officers are the high minister and *vaḍḍa-rāvuḷada pergaḍe* Sōvanāthayya, by whose instructions the endowment was made; Nāgavarmayya, Śivanāgayya, and Siṅgayya, the presidents of the *kāṇikāras* of the *aṭṭhāṇ-āntaras* (Privy Courts?) of . . . . ppaṭūr and Pānuṅgal; and the high minister and *perjunktada pergaḍe* Chaṭṭimayya or Chaṭṭa.

The date is not certain: it depends upon the authority of Elliot's copyist, who read a few fragmentary words after the portion attested by the ink-impression, among them the word *975neya* (see below). If we accept this statement, we must assign the record to Śaka 975; this year, if taken as current, corresponded to A.D. 1052-53, and, if lapsed, to A.D. 1053-54.

The only places mentioned are the Banavāsi Twelve-thousand (l. 8), . . . . ppaṭūr (l. 12), the Five-hundred of Pānuṅgal, i.e. Hāngal (l. 12), and Tilivalli (l. 20).

TEXT.<sup>2</sup>

[Metres: v. 1, *Kanda*; v. 2, *Utpalamālā*.]

- 1 [Śrī]ya vacha[ś]-śrīye yasha<sup>3</sup>-śrīya jaya-śrīya padavi modalo| tudyol| Śrī-
- 2 [ya] vacha[ś]-śrīye yaśa[ś]-śrīya jaya-śrīya padavi dore-kol-g=Abhavam || [1\*]  
Nama Śivaḥ ||[\*]
- 3 [Svasti] samasta-bhuvan-āśraya Śrī-Prithuvī<sup>4</sup>-vallabham mahārājādhirāja paramē-
- 4 [śvara] paramabhaṭṭ[ā\*]rakam Satyāśraya-kuḷa-tīlakam Chāḷukya-śbharanam
- 5 [lōkya]malla-dēvara rājyam=uttarōttar-ābhivri(ṇi)ddhi-pravarddhamānam-ī-chamdr-  
ārka-tāraṇ-baram salu-
- 6 [ttam-i]re || Svasty-anavarata-parama-kallyāṇ-ābhyudaya-sahasra-phala-bhōgini(ni)  
dvitīya-Lakshmi-samā-
- 7 [ne sa]vati-mada-bhamjani samant-āntaḥpura-mukha-maṇḍali(ṇe) dāna-chintāmaṇi  
śrīma[t\*]-Trailōkya-
- 8 [malla]-viśāla-vaksha-staniyar<sup>5</sup>=appa piri-yarasi Mañjala-dēviyar Banavāsi-  
pennirchohāśira-

<sup>1</sup> See *I yn. Kanar. Distr.*, p. 440.

<sup>2</sup> Read *Prithuvī*.

<sup>3</sup> From the ink-impression.

<sup>4</sup> Read *yasāś*.

<sup>5</sup> Read *-vakṣas-sthāḷa-sthāniyar*.



TABLE A—Contd.

K. Y. expired.	Saka expired.	A. D.	Class.	FIXTURES ACCORDING TO THE	
				First Ārya-Siddhānta.	Sūrya-Siddhānta.
1	2	3	4	5	6
4695	1516	1594-95	A	37 "Śōbhana" . . .	36 "Subhakṛit."
4696	1517	1595-96	A	38 "Krōdhin" . . .	37 "Śōbhana."
4697	1518	1596-97	A	39 "Viśvāvasu" . . .	38 "Krōdhin."
4698	1519	1597-98	A	40 "Parābhava" . . .	39 "Viśvāvasu."
id.	id.	id.	B	8 Kārttika (adh.) . . .	7 Āsvina (adh.).
4699	1520	1598-99	A	41 "Plavaṅga" . . .	40 "Parābhava."
4700	1521	1599-1600	A	42 "K laka" . . .	41 "Plavaṅga."
4701	1522	1600-1	A	43 "Saumya" . . .	42 "K laka."
4720	1541	1619-20	C	7 Mar. (66), 1 Sun. . .	6 Mar. (65), 0 Sat.
4731	1552	1630-31	C	4 Mar. (63), 5 Thur. . .	5 Mar. (64), 6 Fri.
4754	1575	1653-54	C	20 Mar. (79), 1 Sun. . .	19 Mar. (78), 0 Sat.
4757	1578	1656-57	C	17 Mar. (77), 2 Mon. . .	16 Mar. (76), 1 Sun.
4773	1594	1672-73	C	20 Mar. (80), 4 Wed. . .	19 Mar. (79), 3 Tues.
4774	1595	1673-74	A	57 "Rudhirōdgārin" . . .	56 "Dundubhi."
4775	1596	1674-75	A	58 "Raktāksha" . . .	57 "Rudhirōdgārin."
4776	1597	1675-76	A	59 "Krōdhana" . . .	58 "Raktāksha."
4777	1598	1676-77	A	60 "Kshaya" . . .	59 "Krōdhana."
4778	1599	1677-78	A	1 "Prabhava" . . .	60 "Kshaya."
4779	1600	1678-79	A	2 "Vibhava" . . .	1 "Prabhava."
4780	1601	1679-80	A	3 "Śukla" . . .	2 "Vibhava."
4781	1602	1680-81	A	4 "Pramōda" . . .	3 "Śukla."
4782	1603	1681-82	A	5 "Prajāpati" . . .	4 "Pramōda."
4783	1604	1682-83	A	6 "Āṅgīrasa" . . .	5 "Prajāpati."
4784	1605	1683-84	A	7 "Śrīmukha" . . .	6 "Āṅgīrasa."
4785	1606	1684-85	A	8 "Bhāva" . . .	7 "Śrīmukha."
4786	1607	1685-86	A	9 "Yuvan" . . .	8 "Bhāva."
4801	1622	1700-1	B {	7 Āsvina (adh.) . . .	} 7 Āsvina (adh.). Nil.
4802	1623	1701-2	B {	11 Māgha (ksh.) . . .	
id.	id.	id.	C	1 Chaitra (adh.) . . .	
id.	id.	id.	C	27 Feb. (58), 5 Thur. . .	29 Mar. (58), 0 Sat.
4807	1628	1706-7	B	4 Āshāḍha (adh.) . . .	3 Jyēshtha (adh.).
4819	1640	1718-19	C	22 Mar. (81), 0 Sat. . .	21 Mar. (80), 6 Fri.
4826	1647	1725-26	B	4 Āshāḍha (adh.) . . .	3 Jyēshtha (adh.).

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- |   |  |
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| Société Asiatique, c/o E. Leroux, 28, Rue Bonaparte, Paris.                 | National Museum, Copenhagen, Denmark.                                  |
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| Royal Society of Antiquaries, Edinburgh.                                    | North China Branch of the Royal Asiatic Society, Shanghai.             |
| Royal Society of Antiquaries, Ireland, 17, Highfield Road, Rathgar, Dublin. | Smithsonian Institution, Washington, D. C., U. S. A.                   |
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| Conservateur du Musée Guimet, Paris.  | Vajiranana National Library, Bangkok.                                  |
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## TABLE LXI.

## NOTES.

*Cols. 1 to 4.*—The present Table states the *concurrent* years so as exactly to correspond with Table I of the "Indian Calendar" and in that respect to save trouble for those who have become accustomed to use that publication. The year usually quoted in inscriptions is the *expired* year, though sometimes the concurrent year is given; *e.g.*, the year A.D. 899-900 corresponds to the concurrent years K. Y. 4001, Saka 822, but to the expired years K. Y. 4000, Śaka 821.

*Col. 8.*—All the entries are of intercalated (*adhika*) months, except those in italics, which are suppressed (*kshaya*) months.

A List of instances where in important details the Ārya and Śārya differ is given in Table A at end of text.

It has not been thought necessary to include in this Table the years between A.D. 499 and 899. This paper concerns computation by the true motions of sun and moon, and it is practically certain that prior, at least, to the latter date all calculations for almanacs in India were made by mean planetary motions.

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| Government Central Museum, ditto.                   | Burdwan Raj Public Library, Burdwan.                   |
| University Library, ditto.                          | Bangiya Sahitya Parishad Sabha, Calcutta.              |
| Presidency College Library, ditto.                  | Chaitanya Library, 4-1, Beadon Street, Calcutta.       |
| Christian College Library, ditto.                   | Mahabodhi Society, Beniapooker Lane, Calcutta.         |
| Literary and Scientific Society, ditto.             | Scottish Churches College Library, Calcutta.           |
| Secretariat Library, Bombay.                        | Hooghly College Library, Chinsurah.                    |
| University Library, ditto.                          | Chittagong College Library, Chittagong.                |
| Anandaswam Sanskrit Series, Poona City.             | Rajshahi College Library, Rajshahi.                    |
| Bombay Branch of the Royal Asiatic Society, Bombay. | Provincial Library, Dacca.                             |
| Secretariat Library, Calcutta.                      | Varendra Research Society, Rajshahi.                   |
| Indian Museum, ditto.                               | Secretariat Library, Bihar and Orissa.                 |
| University Library, ditto.                          | Patna College Library, Bankipore.                      |
| Sanskrit College Library, Calcutta.                 | Agra College Library, Agra.                            |
| Presidency College Library, ditto.                  | Muir Central College Library, Allahabad.               |
| Asiatic Society of Bengal, ditto.                   | Panini Office, Allahabad.                              |
| Secretariat Library, Allahabad.                     | Central Hindu College Library, Benares.                |
| University Library, ditto.                          | Queen's College Library, Benares.                      |
| Provincial Museum, Lucknow.                         | Canning College Library, Lucknow.                      |
| Sanskrit College Library, Benares.                  | Archæological Museum Library, Muttra.                  |
| Secretariat Library, Lahore.                        | Forman Christian College Library, Lahore.              |
| Museum Library, ditto.                              | Government College Library, Lahore.                    |
| University Library, ditto.                          | Punjab Historical Society, Lahore.                     |
| Oriental College Library, Lahore.                   | Punjab Public Library, Lahore.                         |
| Secretariat Library, Nagpur.                        | Museum Library, Delhi.                                 |
| Museum Library, ditto.                              | Public Library, Delhi.                                 |
| Secretariat Library, Rangoon.                       | Peshawar Museum Library, Peshawar.                     |
| Oriental and Mixed Library, Bangalore.              | Secretariat Library, Peshawar.                         |
| College Library, Dacca.                             | Public Library, Mandalay.                              |
| Itibasa Somsodhak Mandal, Poona.                    | Bernard Free Library, Rangoon.                         |
| Museum Library, Lucknow.                            | Rangoon College Library, Rangoon.                      |
| The Mythic Society, Bangalore.                      | Government Library, Shillong.                          |
| Department of Education Library, Delhi.             | Secretariat Library, Shillong.                         |
| Government College Library, Kumbakonam.             | Government College Library, Jubbulpore.                |
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| Government College Library, Rajahmundry.            | Library of the Resident at Baroda.                     |
| Maharajah's College Library, Trivandrum.            | Baroda Museum Library, Baroda.                         |
| Sanskrit College Library, Tiruvadi (Tanjore).       | Gwalior Darbar Library, Gwalior.                       |
| Maharajah's College Library, Vizayanagaram.         | Bhuri Singh Museum Library, Chumba.                    |
| Elphinstone College Library, Bombay.                | Indian Antiquary, c/o the British India Press, Madras. |
| Prince of Wales Museum Library, Bombay.             | Bombay.  |

TABLE

## GENERAL TABLE FOR CALCULATION

Conforming to Table I "Indian Calendar,"

Entries in italics in Column 7 shew where, in the Northern system, samvatsara-

\* = Leap-years of 366 days.

CONCURRENT YEAR.								INTERCALATED (adhika) and SUPPRESSED (kshaya) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Meshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4001	822	957	306	74-75	899-900	53 Siddhārthin .	53 Siddhārthin .	...
4002	823	958	307	75-76	*900-01	54 Raudra .	54 Raudra .	...
4003	824	959	308	76-77	901-02	55 Durmati .	55 Durmati .	2 Vaiśākha .
4004	825	960	309	77-78	902-03	56 Dundubhi .	56 Dundubhi .	...
4005	826	961	310	78-79	903-04	57 Rudhirōdgārin	57 Rudhirōdgārin	6 Bhādrapada
4006	827	962	311	79-80	*904-05	58 Raktāksha .	58 Raktāksha .	...
4007	828	963	312	80-81	905-06	59 Krōdhana .	59 Krōdhana† .	...
4008	829	964	313	81-82	906-07	60 Kshaya .	1 Prabhava .	5 Śrāvaṇa .
4009	830	965	314	82-83	907-08	1 Prabhava .	2 Vibhava .	...
4010	831	966	315	83-84	*908-09	2 Vibhava .	3 Śukla .	...
4011	832	967	316	84-85	909-10	3 Śukla .	4 Pramōda .	3 Jyēshṭha .
4012	833	968	317	85-86	910-11	4 Pramōda .	5 Prajāpati .	...
4013	834	969	318	86-87	911-12	5 Prajāpati .	6 Āngirasa .	{ 7 Āsvina 10 Pauṣa (ksh) }
4014	835	970	319	87-88	*912-13	6 Āngirasa .	7 Śrīmukha .	
4015	836	971	320	88-89	913-14	7 Śrīmukha .	8 Bhāva .	...
4016	837	972	321	89-90	914-15	8 Bhāva .	9 Yuvan .	5 Śrāvaṇa .
4017	838	973	322	90-91	915-16	9 Yuvan .	10 Dhātṛi .	...
4018	839	974	323	91-92	*916-17	10 Dhātṛi .	11 Īśvara .	...
4019	840	975	324	92-93	917-18	11 Īśvara .	12 Bahudhānya .	4 Āshāḍha .
4020	841	976	325	93-94	918-19	12 Bahudhānya .	13 Pramāthin .	...
4021	842	977	326	94-95	919-20	13 Pramāthin .	14 Vikrama .	...

† 60 Kshaya was suppressed in the north.

- 9 **marh** sukha-samkathā-vinōdadimdam=āuttam-ire || Śrīma[t\*]-**Traiḷōkyamalla-dōvara**  
pāda-padma-ōpajivi
- 10 [svasti] samasta-rājya-bhara-nirūpita-mahāmātya-padavi-virājamāna mām-ōnnata prabhu-  
mantr-ōtsā-
- 11 [ha]-śakti-traya-sampannar appa śrīmat(d)-vaḍḍa-rāvuḷada p[e\*]rggaḍe **Sōvanāthay-**  
**yarh-gaḷa** besadih.
- 12 . **ppaṭṭur-atthāṇ-āntarada** **Pānūmgall-aiyūṇ-atthāṇ-āntarada** kēṇikāra[r=a\*]  
dhishthāya-
- 13 [ka] **Nāgavarmmayyanurh** **Śivanāgayyanurh** **Śirngayyanurh** || Śrīmat(n)-**Maḷala-**  
**dō-**
- 14 [vi]yara śrī-pāda-padma-ōpajivi samasta-rājya-bhara-nirūpita-mahāmātya-padavi-  
15 [vi]rajamāna mām-ōnnata prabhu-mantr-ōtsāha-sa(sa)kti-traya-sampannan=api muḷḍe  
(lde) gaṇḍaṇ<sup>1</sup>
- 16 [b]āvana<sup>2</sup> siṅgaṇ haya-Vatsa-rājaṇ gōtra-pavitraṇ nām-ādi-prasa (śa)st<sup>3</sup> sahitam  
śrīma-
- 17 [t]-perjūṇkada perggade **Chaṭṭimayyarh** || Perggaḍey=embud=ēḷidanān-iyade  
[— ∪ ∪ — ∪ ]k-ā-
- 18 tmanāṇ nirguṇanāṇ nikri(kṛi)shṭanan=alē naya-kōvidanāṇ[∪ — ∪ — —  
∪ ∪ — ∪ — ∪ ] pa-
- 19 rirakshakanāṇ negaḷd-iḷda **Chaṭṭanāṇ** perggadey=emba [— ∪ ∪ ∪ — ∪  
∪ — ∪ ∪ — ∪ — ]
- 20 danāṇ || [2\*] **Chaṭṭimayyana** besadih **Tiḷiva**[ḷi \* \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*]
- 21 na **Bōpa** **Śirnganurh** || Svasti sa \* \* \* \* \* \* \* \* \* \*  
\* \* \* \*

No. 27.—A SECOND PLATE OF BHASKARA RAVIVARMAN FOUND AT  
TIRUNELLI.

By L. A. CAMMIADÉ, B.A., B.L., BAR.-AT-LAW, AND THE LATE T. A. GOPINATHA RAO, M.A.

The copper-plate, the inscription on which is edited below, was discovered years ago by one of us at Tirunelli, and from the impressions then taken we edit the record below.

The copper-plate measures 8½" by 2½", is engraved on both sides, and contains a complete document. Very near the left margin of the plate is a ring-hole; but, when the plate came to us for examination, there was no ring strung to it. The preservation of the inscription is good. The alphabet employed in the record is **Vaṭṭeḷuttu** of about the tenth or eleventh century A.D. A few **Sanskrit** words and letters which occur in the record are written in the **Grantha** characters, e.g. *Svasti Śrī* occurring in l. 1, *sapta* in *pañcamāsapta* in l. 13, *su* in *Vāsudēva* in l. 15, *Śrī* and *śha* in *Śrīvaishṇava* in l. 19, and *gō-prāhmaṇā svasti*<sup>2</sup> in l. 25. At the end of the inscription occurs *om namō Nārāyaṇāya namaḥ* written in the **Nāgarī** alphabet of the type employed in the **Mahābalipuram** and the **Conjeevaram** inscriptions of

<sup>1</sup> Meaning: "valiant when hosts are wroth."

<sup>2</sup> Either *bāvana* or *māvana* is possible.

<sup>3</sup> The ink-impression ends here. Elliot's copyist however found the following words on the stone: *Banavase-pura . . . sari mārkkōla . . . sta-prasa . . . 975neya . . .*

## LXI.

BY THE FIRST ARYA-SIDDHANTA.

*the columns being similarly numbered.*

names of solar years differ from those given by followers of the Sūrya-Siddhānta.

*Cols. 13, 19.—Figures in brackets=number of civil days measured from January 1st.*

COMMENCEMENT OF THE									Kali.
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).						
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.		
13	14	17	19	20	23	24	25	1	
		H. M. S.							
22 Mar. (81)	5 Thur.	13 47 30	16 Mar. (75)	6 Fri.	9939-8668	196-5305	259-4537	4001	
21 Mar. (81)	6 Fri.	20 0 0	4 Mar. (64)	3 Tues.	9815-5502	43-7653	228-6299	4002	
22 Mar. (81)	1 Sun.	2 12 30	22 Feb. (53)	1 Sun.	29-8654	927-2917	200-5438	4003	
22 Mar. (81)	2 Mon.	8 25 0	13 Mar. (72)	0 Sat.	64-5051	863-2752	251-8535	4004	
22 Mar. (81)	3 Tues.	14 37 30	3 Mar. (62)	5 Thur.	278-8203	746-8017	223-7674	4005	
21 Mar. (81)	4 Wed.	20 50 0	20 Mar. (80)	3 Tues.	9974-8281	646-4936	272-3393	4006	
22 Mar. (81)	6 Fri.	3 2 30	10 Mar. (69)	1 Sun.	189-1433	530-0200	244-2533	4007	
22 Mar. (81)	0 Sat.	9 15 0	27 Feb. (58)	5 Thur.	64-8268	377-2548	213-4295	4008	
22 Mar. (81)	1 Sun.	15 27 30	17 Mar. (76)	3 Tues.	9760-8345	276-9467	262-0014	4009	
21 Mar. (81)	2 Mon.	21 40 0	6 Mar. (66)	1 Sun.	9975-1497	160-4731	233-0153	4010	
22 Mar. (81)	4 Wed.	3 52 30	23 Feb. (54)	5 Thur.	9850-8331	7-7079	203-0914	4011	
22 Mar. (81)	5 Thur.	10 5 0	14 Mar. (73)	4 Wed.	9885-4728	943-6915	254-4011	4012	
22 Mar. (81)	6 Fri.	16 17 30	4 Mar. (63)	2 Mon.	99-7880	827-2178	226-3151	4013	
21 Mar. (81)	0 Sat.	22 30 0	22 Feb. (53)	0 Sat.	314-1033	710-7443	198-2290	4014	
22 Mar. (81)	2 Mon.	4 42 30	11 Mar. (70)	5 Thur.	10-1109	610-4362	246-8010	4015	
22 Mar. (81)	3 Tues.	10 55 0	28 Feb. (59)	2 Mon.	9885-7943	457-6710	215-9771	4016	
22 Mar. (81)	4 Wed.	17 7 30	19 Mar. (78)	1 Sun.	9920-4340	393-6545	267-2868	4017	
21 Mar. (81)	5 Thur.	23 20 0	7 Mar. (67)	5 Thur.	9796-1174	240-8893	236-4269	4018	
22 Mar. (81)	0 Sat.	5 32 30	25 Feb. (56)	3 Tues.	10-4326	124-4158	208-3769	4019	
22 Mar. (81)	1 Sun.	11 45 0	16 Mar. (75)	2 Mon.	45-0722	60-3992	259-6866	4020	
22 Mar. (81)	2 Mon.	17 57 30	5 Mar. (64)	6 Fri.	9920-7556	907-6340	228-6628	4021	

the early Pallava kings.<sup>1</sup> The language of the record is Tamil. The words *pandirāṇi* (ll. 4 and 10), *ari* (l. 11), *paraiññu* (l. 19 f.), *vaichchu* (l. 20), *vaippichchu* (l. 21), *Kuññi*<sup>o</sup> (ll. 21 and 26), *°maññala* (l. 22), etc. may be cited as instances of Malayālam words and therefore the language of the document might be called Malayālam; but against this contention it may be stated that these words are pure Tamil, with here and there a slight change in the pronunciation, an alteration which is also common to the Tamil language and is, therefore, no special feature of Malayālam. It is from about the period of this record that we begin to meet with the slight changes in the Tamil language which go to make its ancient dialect pass for the supposed separate language, viz. Malayālam. For example, the retention of the words which have become obsolete in the spoken Tamil language, the abolition of the gender suffixes at a comparatively recent period and a few similar peculiarities produce an impression of difference between the two languages, Tamil and Malayālam. It is, however, easy to establish the identity of the two languages in so far as the vocabulary and the grammar are concerned; a rough and ready proof of their identity is offered by the fact that a man from the Tamil country is able to make himself understood by the Malayāli and vice versa, which is however not possible between the Tamil and the Telugu and the Malayāli and the Telugu. One peculiarity of the present document worth noticing is that it omits in many cases the final *m* in the conjunctive particle *um*; e.g. in *ūru* (l. 7), *°Kuññiyu* (l. 23 f.), *Ayyanu* (l. 23), etc. The final *m* in such words as *muttikum* (l. 20) is also omitted.

The most important feature of this inscription of king Bhāskara Ravivarman is the mention of a complete set of astronomical details necessary for the determination of the age of the king. The grant recorded in the document was made in the sixth year opposite to the thirty-fifth, which was opposite the second year, that is, the forty-third year of the reign of the king. In this year, at the time when the grant was made, Jupiter stood in the *Tulā-rāśi*, the sun in the *Mina-rāśi*, the date of the solar month being the eighth expired, the day a Wednesday and the *nakshatra* Uttara-Phalguni. Regarding this date the Hon. Dewan Bahadur L. D. Swamikannu Pillai writes as follows:—

"I took the period from A.D. 949 to 1329 (380 years) and found only one year in which the 9th Mina was a Wednesday, when Jupiter was in *Tulā* and the moon in Uttara-Phalguni (*ettu-ṣeṇṇa* is, I believe, 9th and not the 8th).

"The year in question is A.D. 1020-21, when 9th Mina was Wednesday, 1st March 1021 A.D., on which day Jupiter was in *Tulā* (longitude about 186°=*Tulā*), and the moon was in *nakshatra* Uttara-Phalguni, whose ending moment was 57½ *ghaṭikā*s after mean-sunrise.

"In A.D. 1115-16, the next most likely year, the 8th Mina was Monday, 29th February A.D. 1116, and the 9th Mina was Tuesday, 1st March A.D. 1116. I do not find any other year in the period of four centuries examined (A.D. 950 to 1350) when the 8th or 9th Mina was a Wednesday and when Jupiter stood in the *Tulā-rāśi* and the moon in the *nakshatra* Uttara-Phalguni.

"For the present we may rest satisfied that your Tirunelli grant was dated on Wednesday, 1st March A.D. 1021, and that Bhāskara Ravivarman who made a grant to the Jew, Rabbi Joseph (Cochin Plates, *Ind. Ant.*, Vol. XX), began to reign somewhere about A.D. 984.

<sup>1</sup> [The letters in the Tirunelli Plate are abnormally box-headed. Excepting in the case of *sa*, I do not see any resemblance between these and the Pallava Nāgarī characters of Śāluvaṅkuppam near Mahābalipuram (*Ep. Ind.*, Vol. X, Plate opp. p. 14).—Ed.]



TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4022	843	978	327	95-96	*920-21	14 Vikrama .	15 Vṛisha .	2 Vaiśākha .
4023	844	979	328	96-97	921-22	15 Vṛisha .	16 Chitrabhānu .	...
4024	845	980	329	97-98	922-23	16 Chitrabhānu .	17 Subhānu .	6 Bhādrapada
4025	846	981	330	98-99	923-24	17 Subhānu .	18 Tārāṇa .	...
4026	847	982	331	99-100	*924-25	18 Tārāṇa .	19 Pārthiva .	...
4027	848	983	332	100-01	925-26	19 Pārthiva .	20 Vyaya .	4 Āshāḍha .
4028	849	984	333	101-02	926-27	20 Vyaya .	21 Sarvajit.	...
4029	850	985	334	102-03	927-28	21 Sarvajit. .	22 Sarvadhārin .	...
4030	851	986	335	103-04	*928-29	22 Sarvadhārin .	23 Virōdhin .	3 Jyēshṭha .
4031	852	987	336	104-05	929-30	23 Virōdhin .	24 Vikṛita .	...
4032	853	988	337	105-06	930-31	24 Vikṛita .	25 Khara .	7 Āsvina .
4033	854	989	338	106-07	931-32	25 Khara .	26 Nandana .	...
4034	855	990	339	107-08	*932-33	26 Nandana .	27 Vijaya .	...
4035	856	991	340	108-09	933-34	27 Vijaya .	28 Jaya .	5 Śrāvaṇa .
4036	857	992	341	109-10	934-35	28 Jaya .	29 Manmatha .	...
4037	858	993	342	110-11	935-36	29 Manmatha .	30 Durmukha .	...
4038	859	994	343	111-12	*936-37	30 Durmukha .	31 Hēmalamba .	3 Jyēshṭha .
4039	860	995	344	112-13	937-38	31 Hēmalamba .	32 Vilamba .	...
4040	861	996	345	113-14	938-39	32 Vilamba .	33 Vikārin .	...
4041	862	997	346	114-15	939-40	33 Vikārin .	34 Śārvarin .	2 Vaiśākha .
4042	863	998	347	115-16	*940-41	34 Śārvarin .	35 Plava .	...
4043	864	999	348	116-17	941-42	35 Plava .	36 Subhakṛit .	6 Bhādrapada
4044	865	1000	349	117-18	942-43	36 Subhakṛit .	37 Śōbhana .	...
4045	866	1001	350	118-19	943-44	37 Śōbhana .	38 Krōdhin .	...
4046	867	1002	351	119-20	*944-45	38 Krōdhin .	39 Viśvāvasu .	4 Āshāḍha .

"Dates when, Jupiter being in the *Tulā-rāśi*, the moon was in *Uttara-Phalguni* and the sun in the *Mina-rāśi* and the day of the month 8th or 9th of *Mina*, a Wednesday, could occur only once in 95 years, e.g. A.D. 1020-21, 1115-16, 1210-11 and 1305-06, but only A.D. 1020-21 satisfies all the conditions."

In the collection of Travancore inscriptions there are some belonging to the reign of *Bhāskara Ravivarman* which contain more or less astronomical details which enable us now to verify the date deduced from the *Tirunelli* plate under notice. The date portions of these are extracted below in chronological order, together with the notes kindly supplied to us by *Mr. Swamikannu Pillai*.

I. " . . . . *Kō-pākkaraṇ-iravivarmmar Tiruvaḍikku-chchellāṇṇra āṛām-āṇḍaikk-edir-ēlām-āṇḍu Iḍabattul Viyāḷaṇ-ṇṇra Tulā-ṇāyirru . . . .*" 'In the seventh year which was current and which was opposite to the sixth (of the reign) of the king *Pākkaraṇ-iravivarmmar Tiruvaḍi*, when *Jupiter* stood in the *Rishabha-rāśi* and the sun in the *Tulā-rāśi*.'

"No. 89 of 1086 M. E. of the Travancore Collection. 13th year. *Jupiter* in *Rishabha* and *Tulā* month. Of the years A.D. 990, 991 and 992, which correspond to the 13th, 14th and 15th years in this series, only A.D. 992, *Tulā* month, answers the description '*Jupiter* in *Rishabha*', and I suspect that '*iraṇḍām-āṇḍaikk-edir*', which is present in all the other *Bhāskara Ravivarman* dates, has been left out in this case and that the regnal year is really the 15th."—L. D. S.

II. " . . . . *Kō-Pākkaraṇ-iravivaṇmma Tiruvaḍikku-chchellāṇṇra yāṇḍu iraṇḍām-āṇḍaikk-edir-irubatt-ōṛām-āṇḍu Makarattil viyāḷaṇ-ṇṇra Mirichchiga ṇāyiru ēlu ṣeṇra nāl . . . .*"

"In the twenty-first year (current) opposite the second (of the reign) of the king *Pākkaraṇ-iravivaṇmma Tiruvaḍi*, when *Jupiter* stood in *Makara (rāśi)*, on the seventh day (expired) of the (solar) month of *Mirichchigam (Vṛiśchika)* . . ."

"No. 102 of 1084 (of the Travancore collection). 23rd year. *Jupiter* in *Makara*, *Vṛiśchika* month—8th day (*ēlu ṣeṇra*). A.D. 1000 (Oct.-Nov.).

"N.B.—Had the week-day or the *nakshatra* been given, the year could have been verified with certainty."—L. D. S.

III. "*Kō-ṇḍy-iṇmaikaṇḍāṇ Kō-chchiri Pākkaraṇ-iravivarma Tiruvaḍikku-chchellāṇṇra, yāṇḍu iraṇḍām-āṇḍaikk-edir muppattārām[ā]ṇḍu . . . . Iḍabattil viyāḷaṇ-ni[n]rav-āṇḍu Iḍabankaḷvil<sup>2</sup> . . . .*"

"In the thirty-sixth<sup>1</sup> year (current) opposite the second of (the reign of) the king *Pākkaraṇ-iravivarma*, who possessed the quality of diseaselessness, when *Jupiter* stood in *Iḍaba (rishabha-rāśi)* and at the end of the (solar month) *Iḍabam<sup>2</sup> (rishabha)*.

"No. 84 of 1086 (of the Travancore collection). 38th year. *Jupiter* in *Rishabha*, *Rishabha* month April-May.

"N.B.—It follows from the date of the *Tirunelli* inscription under notice and II given above that the reign must have commenced in or before October and after April: in other words that the regnal years changed numbers in this interval; so that, if April 1016 was at the end of the 38th year and March 1021 was at the end of the 43rd year, October 1021 may have been in the beginning of the 44th year, and, deducting 21 from either side, we have October 1000 A.D. beginning of the 23rd year."

<sup>1</sup> [The reading "*muppattārāmāṇḍu*" has been shown to be a mistake for "*muppattōrāmāṇḍu*" on p. iv *Add. and Corr. of Trav. Archl. Series*, Vol. II.—K. V. S.]

<sup>2</sup> [The plate of this inscription reads clearly *iḍankaḷiyāl*, and not *iḍabankaḷvil* (*ibid*).—K. V. S.]

## LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	1
		H. M. S.						
22 Mar. (82)	4 Wed.	0 10 0	23 Feb. (54)	4 Wed.	135-0709	791-1625	200-7767	4022
22 Mar. (81)	5 Thur.	6 22 30	13 Mar. (72)	3 Tues.	169-7105	727-1460	252-0864	4023
22 Mar. (81)	6 Fri.	12 35 0	2 Mar. (61)	0 Sat.	45-3939	574-3808	221-2635	2024
22 Mar. (81)	0 Sat.	18 47 30	21 Mar. (80)	6 Fri.	80-0335	510-3623	272-5722	4025
22 Mar. (82)	2 Mon.	1 0 0	9 Mar. (69)	3 Tues.	9955-7169	357-5972	241-7524	4026
22 Mar. (81)	3 Tues.	7 12 30	26 Feb. (57)	0 Sat.	9831-4003	204-8339	210-9246	4027
22 Mar. (81)	4 Wed.	13 25 0	17 Mar. (76)	6 Fri.	9866-0399	140-8154	262-2323	4028
22 Mar. (81)	5 Thur.	19 37 30	7 Mar. (66)	4 Wed.	80-3551	24-3419	234-1482	4029
22 Mar. (82)	0 Sat.	1 50 0	24 Feb. (55)	1 Sun.	9956-0385	871-5766	203-3243	4030
22 Mar. (81)	1 Sun.	8 2 30	14 Mar. (73)	0 Sat.	9990-6782	807-5702	254-6340	4031
22 Mar. (81)	2 Mon.	14 15 0	4 Mar. (63)	5 Thur.	204-9934	691-0866	226-5480	4032
22 Mar. (81)	3 Tues.	20 27 30	23 Mar. (82)	4 Wed.	239-6331	627-0701	277-8577	4033
22 Mar. (82)	5 Thur.	2 40 0	11 Mar. (71)	1 Sun.	115-3164	474-3049	247-0339	4034
22 Mar. (81)	6 Fri.	8 52 30	28 Feb. (59)	5 Thur.	9990-9998	321-5397	216-2100	4035
22 Mar. (81)	0 Sat.	15 5 0	19 Mar. (78)	4 Wed.	25-6394	257-8149	270-2575	4036
22 Mar. (81)	1 Sun.	21 17 30	8 Mar. (67)	1 Sun.	9901-3228	104-7580	236-6958	4037
22 Mar. (82)	3 Tues.	3 30 0	26 Feb. (57)	6 Fri.	115-6381	988-2845	208-6008	4038
22 Mar. (81)	4 Wed.	9 42 30	16 Mar. (75)	5 Thur.	150-2777	924-2680	259-9195	4039
22 Mar. (81)	5 Thur.	15 55 0	5 Mar. (64)	2 Mon.	25-9611	771-5027	229-0957	4040
22 Mar. (81)	6 Fri.	22 7 30	23 Feb. (54)	0 Sat.	240-2763	655-0292	201-0006	4041
22 Mar. (82)	1 Sun.	4 20 0	12 Mar. (72)	5 Thur.	9936-2841	554-7211	249-5816	4042
22 Mar. (81)	2 Mon.	10 32 30	1 Mar. (60)	2 Mon.	9811-9675	401-9560	218-7576	4043
22 Mar. (81)	3 Tues.	16 45 0	20 Mar. (79)	1 Sun.	9846-6072	337-9394	270-0674	4044
22 Mar. (81)	4 Wed.	22 57 30	9 Mar. (68)	5 Thur.	9722-3005	185-1742	239-9517	4045
22 Mar. (82)	6 Fri.	5 10 0	27 Feb. (58)	3 Tues.	9936-6057	68-7007	211-1575	4046

From the various dates noticed above it is now quite certain that the reign of Bhāskara Ravivarman began, as already stated, some time after October A.D. 984.

The inscription records that Kuñjikkutta-varman *alias* Adigaḷ Vira-Kuṇumburaiyar Tiruvaḍi, who was governing the Mūtta-kūru of the Kuṇumburai nāḍu, granted a piece of land known as Kilkāṭṭiy-pōlachchērikkāl (*i.e.* the *chērikkāl*, or mountainous tract, Pōlachchēriyakkāl of Kilkkāḍu), for a rice-offering at the *pandiraḍi* time of the day and for a perpetual lamp to be burnt before the god of the temple at Tirunelli. This charity was placed under the management of the members of the family of the donor, the *yōgins* (who were perhaps residing in or near the temple) and the Śrivaishṇavas; the community or assembly known as the 'seven hundred' of the Mūtta-kūru, the villagers and the Veḷḷālas who are the major land-lords of the village—all these, without entertaining among themselves any difference of opinion on the matter of this charity, were obliged to arrange for the supply of the rice for the offering and for the burning of the perpetual lamp. Kuñjikkutta-varman also gave to the temple a silver pot, a silver *parāgai*, and a silver sword, and a pearl neck-lace to the god of the temple at Tirunelli.

There are a few words occurring in the document which are still current in the Malayālam language and which require a few words of explanation. The word *pandiraḍi* is a technical term commonly employed for the service which is conducted at a time when the sun stands at such a height in the sky as to cast the shadow of a man which measures twelve feet reckoned by his own foot. Assuming the height of a man to be about seven feet measured by his own foot,<sup>1</sup> the time when the shadow measures twelve feet would be about eight o'clock in the morning. *Mūtta-kūru* occurring in ll. 5 and 26 may mean either the portion of the country ruled over by the elder branch of the family to which Kuñjikkutta-varman belonged or the larger of the two sections into which the Kuṇumburai nāḍu was divided and one of which was governed by the members of the family to which the donor belonged, while the other was governed by some other person. Again '*elunārruvar*', occurring in l. 7, is employed here evidently to denote a community consisting of seven hundred members; this term may be compared with advantage with the *mūvāyiravar* of Tiruchcheṅguṇṇūr, occurring in the *Nālāyira-prabandham*,<sup>2</sup> the *nārpatt-eṇṇāyiravar*<sup>3</sup> of Kanyākumāri, the *munnārruvar* of Napruḷai nāḍu<sup>4</sup> occurring in some of the inscriptions of Tiruvaṇvaṇḍūr, etc. It will become patent from the references given above that the phrase *mūtta-kūrril elunārruvar* cannot mean the seven hundred members of the elder branch of the family governing the Kuṇumburai nāḍu, but that it refers to a community of men living in the Mūtta-kūru of the said nāḍu. *Iḍavagai* is another word employed in a particular sense in Malayālam and means the property belonging to an important personage or a very rich landlord; for example, we hear of the *Pāṇṇārru iḍavaga*, the estate belonging to the Pāṇṇārru Rāja, or Chief, in Travancore. Nammālvār, the great Vaishṇava saint, also uses this term in the same sense.<sup>5</sup> *Nirāṭṭu-palli* is

<sup>1</sup> This is what Mahāvīrāchārya does in the chapter on Chhāyā-vyavahāra of his *Gaṇita-sāra-saṅgraha*—  
दुर्बोधतिसप्तशतपुत्रबहुसुदेव्यं स्यात् ।

यद्येवं चतुर्दशः स भगवन्नामहिमा स्यात् ।

<sup>2</sup> Amarada-śrī mūvāyiravar-vāḷiyargal tam-padi.

*Tiruvāymoli*, 8, 4-7.

Mūvāyira-nāp-maṇaiyālar nāḷum maṇaiyāl vapaṅga.

*Periyatirumoli*, 3, 2, 8.

<sup>3</sup> See *Travancore Archaeological Series*, Vol. I, pp. 168, 169.

<sup>4</sup> *Travancore Archaeological Series*, Vol. II, pp. 23-4.

<sup>5</sup> Kūmaṇai-ppayanda kālai

iḍavagai-konḍad-eṇṇar-eḷḷaṇṇi-anantapuram.

*Tiruvāymoli*, 10, 2-8.

TABLE

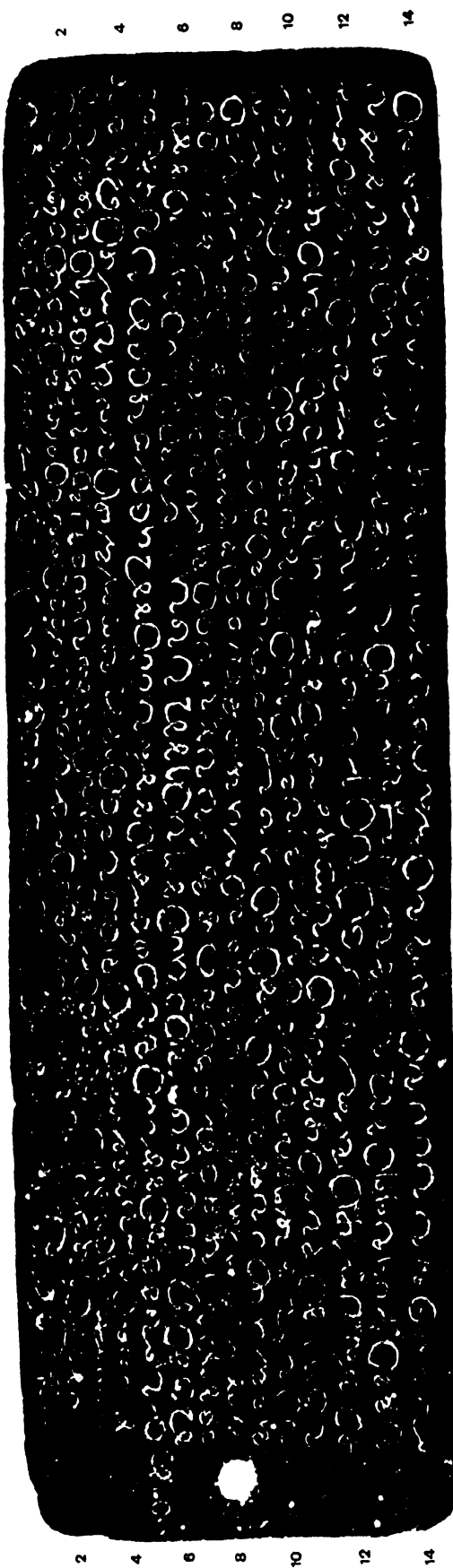
CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4047	868	1003	352	120-21	945-46	89 Viśvāvasu .	40 Parābhava .	...
4048	869	1004	353	121-22	946-47	40 Parābhava .	41 Plavaṅga .	...
4049	870	1005	354	122-23	947-48	41 Plavaṅga .	42 Kilaka .	3 Jyēṣṭha .
4050	871	1006	355	123-24	*948-49	42 Kilaka .	43 Saumya .	...
4051	872	1007	356	124-25	949-50	43 Saumya .	44 Sādhāraṇa .	7 Āsvina .
4052	873	1008	357	125-26	950-51	44 Sādhāraṇa .	45 Virōdhakṛit .	...
4053	874	1009	358	126-27	951-52	45 Virōdhakṛit .	46 Paridhāvin .	...
4054	875	1010	359	127-28	*952-53	46 Paridhāvin .	47 Pramādin .	5 Śrāvaṇa .
4055	876	1011	360	128-29	953-54	47 Pramādin .	48 Ānanda .	...
4056	877	1012	361	129-30	954-55	48 Ānanda .	49 Rākṣasa .	...
4057	878	1013	362	130-31	955-56	49 Rākṣasa .	50 Anala .	3 Jyēṣṭha .
4058	879	1014	363	131-32	*956-57	50 Anala .	51 Piṅgala .	...
4059	880	1015	364	132-33	957-58	51 Piṅgala .	52 Kālayukta .	...
4060	881	1016	365	133-34	958-59	52 Kālayukta .	53 Siddhārthin .	2 Vaiśākha .
4061	882	1017	366	134-35	959-60	53 Siddhārthin .	54 Raudra .	...
4062	883	1018	367	135-36	*960-61	54 Raudra .	55 Durmati .	6 Bhādrapada .
4063	884	1019	368	136-37	961-62	55 Durmati .	56 Dundubhi .	...
4064	885	1020	369	137-38	962-63	56 Dundubhi .	57 Rudhirōdgārin .	...
4065	886	1021	370	138-39	963-64	57 Rudhirōdgārin .	58 Raktākṣa .	4 Āśāḍha .
4066	887	1022	371	139-40	*964-65	58 Raktākṣa .	59 Krōdhana .	...
4067	888	1023	372	140-41	965-66	59 Krōdhana .	60 Kṣaya .	...
4068	889	1024	373	141-42	966-67	60 Kṣaya .	1 Prabhava .	3 Jyēṣṭha .
4069	890	1025	374	142-43	967-68	1 Prabhava .	2 Vibhava .	...
4070	891	1026	375	143-44	*968-69	2 Vibhava .	3 Śukla .	5 Āsvina .
4071	892	1027	376	144-45	969-70	3 Śukla .	4 Pramōda .	...



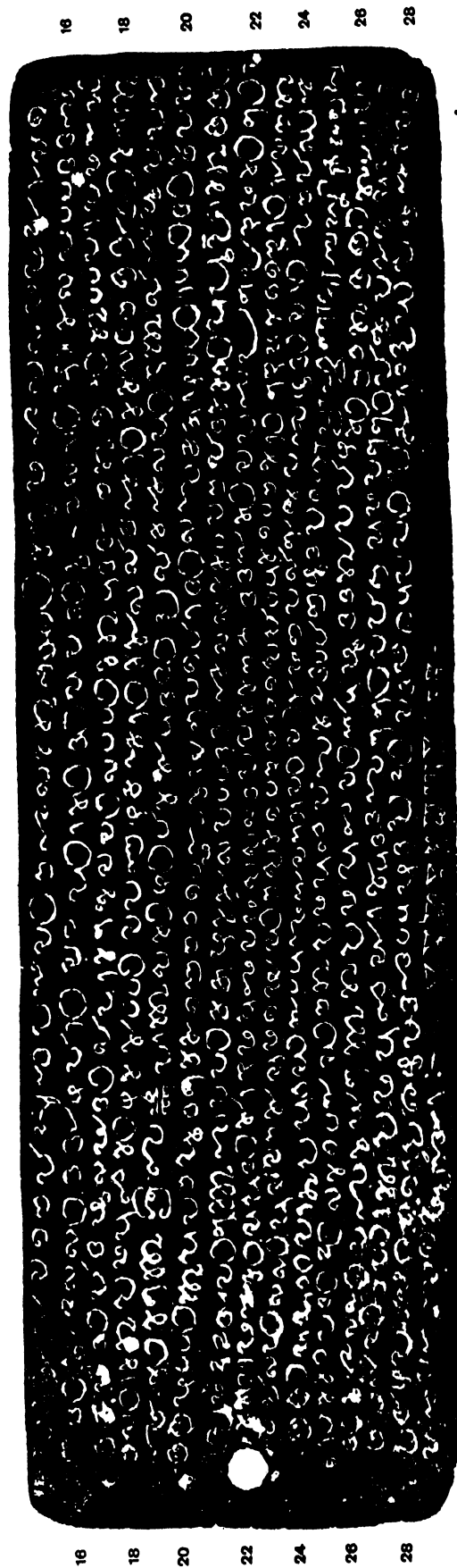
LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	1
		H. M. S.						
22 Mar. (81)	0 Sat.	11 22 30	17 Mar. (76)	2 Mon.	9972-2453	4-6841	262-4672	4047
22 Mar. (81)	1 Sun.	17 35 0	7 Mar. (66)	0 Sat.	185-5605	888-2108	234-3811	4048
22 Mar. (81)	2 Mon.	23 47 30	24 Feb. (55)	4 Wed.	61-2440	735-4454	203-5584	4049
22 Mar. (82)	4 Wed.	6 0 0	14 Mar. (74)	3 Tues.	95-8836	671-4290	254-8660	4050
22 Mar. (81)	5 Thur.	12 12 30	3 Mar. (62)	0 Sat.	9971-5669	518-6637	224-0431	4051
22 Mar. (81)	6 Fri.	18 25 0	22 Mar. (81)	6 Fri.	6-2066	454-6473	275-3528	4052
23 Mar. (82)	1 Sun.	0 37 30	11 Mar. (70)	3 Tues.	9881-8890	301-8921	244-5290	4053
22 Mar. (82)	2 Mon.	6 50 0	28 Feb. (59)	0 Sat.	9757-5734	149-1168	213-7052	4054
22 Mar. (81)	3 Tues.	13 2 30	18 Mar. (77)	6 Fri.	9792-2130	85-1004	265-0148	4055
22 Mar. (81)	4 Wed.	19 15 0	8 Mar. (67)	4 Wed.	6-5282	968-6268	236-9287	4056
23 Mar. (82)	6 Fri.	1 27 30	26 Feb. (57)	2 Mon.	220-8435	852-1532	208-8427	4057
22 Mar. (82)	0 Sat.	7 40 0	16 Mar. (76)	1 Sun.	255-4831	788-1367	260-1524	4058
22 Mar. (81)	1 Sun.	13 52 30	5 Mar. (64)	5 Thur.	131-1665	635-3715	229-3286	4059
22 Mar. (81)	2 Mon.	20 5 0	22 Feb. (53)	2 Mon.	6-8499	482-6064	198-5047	4060
23 Mar. (82)	4 Wed.	2 17 30	13 Mar. (72)	1 Sun.	41-4895	418-5898	249-8145	4061
22 Mar. (82)	5 Thur.	8 30 0	1 Mar. (61)	5 Thur.	9917-1729	265-8247	218-9905	4062
22 Mar. (81)	6 Fri.	14 42 30	20 Mar. (79)	4 Wed.	9951-8125	201-8082	270-3003	4063
22 Mar. (81)	0 Sat.	20 55 0	9 Mar. (68)	1 Sun.	9827-4959	49-0420	239-4764	4064
23 Mar. (82)	2 Mon.	3 7 30	27 Feb. (58)	6 Fri.	41-8112	932-5694	211-3904	4065
22 Mar. (82)	3 Tues.	9 20 0	17 Mar. (77)	5 Thur.	75-4508	868-5529	262-7001	4066
22 Mar. (81)	4 Wed.	15 32 30	7 Mar. (66)	3 Tues.	290-7660	752-0794	234-6440	4067
22 Mar. (81)	5 Thur.	21 45 0	24 Feb. (55)	0 Sat.	166-4494	599-3141	203-7901	4068
23 Mar. (82)	0 Sat.	3 57 30	15 Mar. (74)	6 Fri.	201-0890	535-2977	255-0993	4069
22 Mar. (82)	1 Sun.	10 10 0	3 Mar. (63)	3 Tues.	76-7724	382-5385	224-2760	4070
22 Mar. (81)	2 Mon.	16 22 30	21 Mar. (90)	1 Sun.	9772-7802	282-2243	272-8479	4071

Obverse.



Reverse.





TABLE

CONCURRENT YEAR.								INTERCALATED (adhika) and SUPPRESSED (kshaya) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4072	893	1028	377	145-46	970-71	4 Pramōda .	5 Prajāpati .	...
4073	894	1029	378	146-47	971-72	5 Prajāpati .	6 Āngirasa .	5 Śrāvaṇa .
4074	895	1030	379	147-48	*972-73	6 Āngirasa .	7 Śrīmukha .	...
4075	896	1031	380	148-49	973-74	7 Śrīmukha .	8 Bhāva .	...
4076	897	1032	381	149-50	974-75	8 Bhāva .	9 Yuvan .	4 Āshāḍha .
4077	898	1033	382	150-51	975-76	9 Yuvan .	10 Dhātṛi .	...
4078	899	1034	383	151-52	*976-77	10 Dhātṛi .	11 Ísvara .	...
4079	900	1035	384	152-53	977-78	11 Ísvara .	12 Bahudhānya .	1 Chaitra .
4080	901	1036	385	153-54	978-79	12 Bahudhānya .	13 Pramāthin .	...
4081	902	1037	386	154-55	979-80	13 Pramāthin .	14 Vikrama .	6 Bhādrapada
4082	903	1038	387	155-56	*980-81	14 Vikrama .	15 Vṛisha .	...
4083	904	1039	388	156-57	981-82	15 Vṛisha .	16 Chitrabhānu .	...
4084	905	1040	389	157-58	982-83	16 Chitrabhānu .	17 Subhānu .	4 Āshāḍha .
4085	906	1041	390	158-59	983-84	17 Subhānu .	18 Tārāṇa .	...
4086	907	1042	391	159-60	*984-85	18 Tārāṇa .	19 Pārthiva .	...
4087	908	1043	392	160-61	985-86	19 Pārthiva .	20 Vyaya .	3 Jyēshṭha .
4088	909	1044	393	161-62	986-87	20 Vyaya .	21 Sarvajit .	...
4089	910	1045	394	162-63	987-88	21 Sarvajit .	22 Sarvadhārin .	7 Āsvina .
4090	911	1046	395	163-64	*988-89	22 Sarvadhārin .	23 Virōdhin .	...
4091	912	1047	396	164-65	989-90	23 Virōdhin .	24 Vikṛita .	...
4092	913	1048	397	165-66	990-91	24 Vikṛita .	25 Khara† .	5 Śrāvaṇa .
4093	914	1049	398	166-67	991-92	25 Khara .	27 Vijaya .	...
4094	915	1050	399	167-68	*992-93	26 Nandana .	28 Jaya .	...
4095	916	1051	400	168-69	993-94	27 Vijaya .	29 Manmatha .	3 Jyēshṭha .
4096	917	1052	401	169-70	994-95	28 Jaya .	30 Durmukha .	...

† 26 Nandana was suppressed in the north.

used to mean the bathing of the image of the god with water or the place where such a bath takes place.<sup>1</sup> The words *padi-pāda-mūlattiār*, *prakṛitīyār*, *adigāri*, etc. occur in several other documents and have been explained by those who have edited those inscriptions.

The names of places that occur in the record are Tirunelli, Kuṛumburai *nādu* and *Kiḷkkāṭṭiy-pPōlachchērikkāl*. Of these, the first two are the names of a town and of a district respectively in the Wydad and the third is the name of a plot of land, which is not possible to be identified.

TEXT.<sup>2</sup>

## First Side.

- 1 Svasti Śrī[h||\*] Kō Śrī Paṅkkaṇa-Iravivarmmaṇ-Tiruvaḍikkū=chchellā(n)niṇṇa  
iraṇḍam-ā[u].
- 2 ḍaikk-edir muppatt=[aiyā]m-āṇḍaikk-edir-ārām-āṇḍ[u] Tulāttil (v)Vyūḷanniṇṇa  
Miṇa-nāyiru
- 3 eṭṭu seṇṇa Budaṇ-āṇḍa-Uttiratti-ṇāḷ Tirunelli mukkālvaṭṭattu niṇṇu seyda  
kāriyam-āvaḍu[||\*] Ti-
- 4 runelli-pPerumālkkū niyadam pandira[di\*]kkū ari<sup>3</sup> muṇṇā-nāliyal aṇu-nāli oru  
nandā-
- 5 [vilā][k\*]k[u] (dā) amaichchāṇ<sup>4</sup> Ki[||\*]kkāṭṭiy-pPōlachchērikkāl aṭṭi-kkuḍuttāṇ  
Mūttakūru-vāḷḷiṇṇa
- 6 Kuṇḷjikuṭṭavarmmaṇ-āyi[ṇa] Aḍigaḷ Vira-kKuṛumburāiyār-Tiruvaḍi aṭṭikkūḍu-  
tt-aruliyār[||\*] Mūttakūṇṇil Eḷaṇḍirruvaṇam paṇiy-uḍaiya nāyaṇum āru[m\*] āriḍa-
- 7 vagai<sup>5</sup> Veḷḷālarum Kuṛumburāyinaḍu Mā[ttā]kūṇṇiṇṇuk-amaiōja Nīḷa[ḷum]  
paṇi-
- 9 yuṇ-nāḍum-iḍavagaiyu[m\*] pirakidiyum<sup>6</sup> uḍaṇ-kūḍi-niṇṇ-avirōdam-āy Tirunel-
- 10 li-pPerumālkkū niyadam agattu-pandiraḍi-tiruvamiridiṇṇukkum oru nandā-
- 11 viḷakkīṇṇā-Kiḷkkāṭṭiy-pPōlachchērikkāl-aṭṭi-kkuḍuttidu[||\*] ari muṇṇā-nā-
- 12 liyal-a[ru]nāliyalum pādi pirāmmaṇar ami[r]di-seyvidu[||\*] pādi-chchō-
- 13 ru-(n)nirāṭṭupallikkū [paṇ]chamāsaptaṇ-kōṭṭi<sup>7</sup> uvachchagaḷ kolvidu[||\*] Ich-chep-
- 14 pēṭṭil-ppaṭṭay-ilēkaiyiṇāḷ eṇṇu[k\*]koṇḍa puruḷarāvō<sup>8</sup> Tirunelli-

## Second Side.

- 15 pura<sup>9</sup> Nārāyaṇaṇ Vāsudēvaṇ-āyina Nelkkunṇaḍigaḷum Nellamam Nārāyaṇa-
- 16 ṇ Tirunelli-ttālvāriyaṇu pirakidiyum<sup>10</sup> Tirunelli mukkālvaṭṭatt-amai-
- 17 ṇiṇṇa padipādamōḷamādi ivargaḷ kaiyyil-aṭṭi-kkuḍuttāṇ Kuṇḷjikuṭṭavar[m]maṇ-  
āyi-
- 18 ṇa Vira-kKuṛumburai Kiḷkkāṭṭiy-pPōlachchērikkāl[||\*] ichchērikkāl taṇ-  
ṇāṭigaḷkkū<sup>11</sup>

<sup>1</sup> Cf. Nirāṭṭupalli pandiru-kūḍaṇ-nīr koṇḍu nirāṭṭupalli-āvidu.

<sup>2</sup> From the impressions of the copper-plate taken by Mr. Cammide.

<sup>3</sup> [This word is entered below the line.—Ed.]

<sup>4</sup> p is written in smaller characters below the line.

<sup>5</sup> [For the existing traces *nāliḍaḷagaḷ* would be a better reading than *āriḍaragaḷ*.—K. V. F.]

<sup>6</sup> Read *Pirakirudiyum*.

<sup>7</sup> Read *pañcha-mahāśabdā*.

<sup>8</sup> Read *peruḷar*.

<sup>9</sup> [Instead of *pura*, I would read *Tiruno*.—K. V. 8.]

<sup>10</sup> Read *Pirakirudiyum*.

<sup>11</sup> Read *ṇāṭigaḷkkū* or *ṇāṭigaḷku*.

LXI—Contd.

COMMENCEMENT OF THE									Kali.
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).						
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.		
13	14	17	19	20	23	24	25	1	
		H. M. S.							
22 Mar. (81)	3 Tues	22 35 0	11 Mar. (70)	6 Fri.	9987-0954	105-7508	244-7619	4072	
23 Mar. (82)	5 Thur.	4 47 30	28 Feb. (59)	3 Tues.	9862-7789	12-9856	213-9381	4073	
22 Mar. (82)	6 Fri.	11 0 0	18 Mar. (78)	2 Mon.	9897-4185	948-9692	265-2477	4074	
22 Mar. (81)	0 Sat.	17 12 30	8 Mar. (67)	0 Sat.	111-7337	832-4955	237-1616	4075	
22 Mar. (81)	1 Sun.	23 25 0	25 Feb. (56)	4 Wed.	9987-4171	679-7304	206-3378	4076	
23 Mar. (82)	3 Tues.	5 37 30	16 Mar. (75)	3 Tues.	22-0566	615-7139	257-6475	4077	
22 Mar. (82)	4 Wed.	11 50 0	4 Mar. (64)	0 Sat.	9897-7400	462-9486	226-8237	4078	
22 Mar. (81)	5 Thur.	18 2 30	21 Feb. (52)	4 Wed.	9773-4234	310-1835	195-9998	4079	
23 Mar. (82)	0 Sat.	0 15 0	12 Mar. (71)	3 Tues.	9808-0631	246-1670	247-3096	4080	
23 Mar. (82)	1 Sun.	6 27 30	2 Mar. (61)	1 Sun.	22-3783	129-6934	219-2234	4081	
22 Mar. (82)	2 Mon.	12 40 0	20 Mar. (80)	0 Sat.	57-0179	65-6869	270-5332	4082	
22 Mar. (81)	3 Tues.	18 52 30	9 Mar. (68)	4 Wed.	9932-7013	912-9117	239-7093	4083	
23 Mar. (82)	5 Th r.	1 5 0	27 Feb. (53)	2 Mon.	147-0166	796-4381	211-6233	4084	
23 Mar. (82)	6 Fri.	7 17 30	18 Mar. (77)	1 Sun.	181-6562	732-4216	262-9330	4085	
22 Mar. (82)	0 Sat.	13 30 0	6 Mar. (66)	5 Thur.	57-3396	579-6565	232-1091	4086	
22 Mar. (81)	1 Sun.	19 42 30	23 Feb. (54)	2 Mon.	9933-0229	426-8913	201-2852	4087	
23 Mar. (82)	3 Tues.	1 55 0	14 Mar. (73)	1 Sun.	9967-6626	362-8648	252-5949	4088	
23 Mar. (82)	4 Wed.	8 7 30	3 Mar. (62)	5 Thur.	9843-3460	210-1096	221-7711	4089	
22 Mar. (82)	5 Thur.	14 20 0	21 Mar. (81)	4 Wed.	9877-9856	146-0931	273-0808	4090	
22 Mar. (81)	6 Fri.	20 32 30	11 Mar. (70)	2 Mon.	92-3008	29-6195	244-9948	4091	
23 Mar. (82)	1 Sun.	2 45 0	28 Feb. (59)	6 Fri.	9967-9842	876-8543	214-1709	4092	
23 Mar. (82)	2 Mon.	8 57 30	19 Mar. (78)	5 Thur.	3-6239	812-8379	265-4806	4093	
22 Mar. (82)	3 Tues.	15 10 0	8 Mar. (68)	3 Tues.	216-9391	696-3643	237-3945	4094	
22 Mar. (81)	4 Wed.	21 22 30	25 Feb. (56)	0 Sat.	92-6225	543-5991	206-5707	4095	
23 Mar. (82)	6 Fri.	3 35 0	16 Mar. (76)	6 Fri.	127-2621	479-5826	257-8804	4096	

- 19 yōgigalkku<sup>1</sup> Śrivaishnavarkku-kīlāḍa koḍuttidu[||\*] ichchelavinukku idaiyōru paṇai-
- 20 ṇṇu muṭṭikku[m\*]-avaṇ āḥ-arai-kkāṇa[m\*] poṇ-ṇaṇḍam<sup>2</sup> Perumāl bandārat[t\*]il vaichchu muṭṭ-irattī tiruvami-
- 21 rdum nundā-vilakku[m\*] vaippichchu mukkālvaṭṭattu ohellakkaḍavaṇ[||\*] idakkariṇu <sup>3</sup>Āṇūr-kKuṇṇi-
- 22 [Vi\*]kkiramaṇ-āgiya adigāraṇum Amaiyamaṇṇalattu Yakkāṇ Ṣattapaṇḍiya paḍai uḍuṇum(?) Kiliyā-
- 23 [r\*]ru <sup>4</sup>Tūlavilli Ayyaṇu[m\*] Kṣyumaṇ-Māyipaṇ-ḡaṇḍaṇum Maṇaṇṇaṭṭu Kaṇḍaṇ Kēriḷaṇum Kaṇṇaṇ-iramaṇ-Ku-
- 24 ṇṇiyu[m\*] aṇivar[||\*] Kuru[m\*]buṇayinattū-Maiṇāyaṇ-Iraṇiy-Iraṇaṇ-ēvalāḷā[y\*] kaiyyeḷudiy-aṇivēṇ Vāliṣṣ-
- 25 ri-kKaṇapati Nilakaṇḍaṇ-āyipa Kurumburai-pperun-dattāṇ-eḷuttu[||\*] Gō-prāhmaṇāṇā<sup>5</sup> śvastika[m] [ṣ]vasti[||\*]
- 26 Tirunelli-ṇPerumālkku Kurumburayināḍu Mūttakūru-vāḷḡiṇa Kuṇṇikuttavar.
- 27 mmaṇāyi[ṇa] Vira-kKurumburayīr koḍutta veḷḷi-ppāpaiyum v[e\*]ḷḷi vāḷu[m\*] pa[rā]ḡaiyum mut-
- 28 tu-tāḷvaḍāmu[m\*] eṇṇūḡḡu eḷupatt-eṭṭu muttu niyadam eḍuppidu[||\*] śārttuviduṇ-jeyvada[||\*]
- 29 Padevadevaiyamadōr :—[Ōm] namō Nārāyaṇāya namaḥ [||\*]

## TRANSLATION.

Lines 1-3. Hail Prosperity ! In the sixth year opposite to the thirty-fifth year, which was opposite to the second year that was current in the reign of the glorious king Bhāskara Ravivarman Tiruvadi,—when Jupiter was standing in the Tūlā (rāśi), on the expiry of the eighth day in the solar month Mīna, on the day of the ascendancy of Budha (Wednesday), in the nakshatra Uttiram, the following was the business that was transacted in the temple of Tirunelli :—

Ll. 4-7. Kuṇṇikuttavarman alias Adigaḷ Vira-kKurumburayīr Tiruvadi, governing the Mūtta-kūru (larger division of the Kurumburai nāḍu), was pleased to make a gift by the pouring (of water) to the god at Tirunelli (of the land known as?) Pōḷachohērikkāl in Kīlkkāḍu for the upkeep of the daily offering<sup>6</sup> of three times four nāḷis<sup>7</sup> of rice (to be offered) when the sun stood at an altitude at which the shadow of a man is twelve feet (as measured by his own feet) and for (burning) a perpetual lamp.

Ll. 7-11. The (community of) the seven hundred (residing) in the Mūtta-kūru (larger division of the Kurumburai nāḍu) and the Nāyaṇ who has service (rights in the Tirunelli temple), the townsmen and the Veḷḷāḷas who hold estates<sup>8</sup> (in Tirunelli), the inhabitants who are . . . . to the larger division of the Kurumburai nāḍu, the estate holders in it and the Prakṛiti,—all these, having unanimously agreed among themselves, granted by the pouring of

<sup>1</sup> Read yōgigalkku or yōgigalku.

<sup>2</sup> \* is entered below the line.

<sup>3</sup> [Pūdūr would be better: ru is differently shaped.—K. V. S.]

<sup>4</sup> The first letter looks like Pā.

<sup>5</sup> Read gō-brāhmaṇāṇā [ṣ]vasti.

<sup>6</sup> [There are no words in ll. 4-7 for "for the upkeep of the daily offering." The engraver seems to have omitted to enter here the word "tīrūvamudinukku", which, however, occurs in l. 10.—K. V. S.]

<sup>7</sup> [Munnāṇāḷiyāl aṇunāḷi means "six nāḷi (as measured by) the munnāṇāḷi" and not "three times four nāḷi" as has been rendered. Munnāḷi might, however, mean "three times four nāḷi", and in that case "munṇāṇāḷiyāl aṇunāḷi" would be equivalent to seventy-two nāḷi.—K. V. S.]

<sup>8</sup> [With the altered reading of "nāl-iḍaṅgai-veḷḷāḷar", suggested in foot-note 5 on p. 345, the translation would be "the four classes of Iḍaṅgai-Veḷḷāḷas."—K. V. S.]

TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JUVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4097	918	1053	402	170-71	995-96	29 Manmatha .	31 Hēmalamba .	...
4098	919	1054	403	171-72	*996-97	30 Durmukha .	32 Vilamba .	1 Chaitra .
4099	920	1055	404	172-73	997-98	31 Hēmalamba .	33 Vikārin .	...
4100	921	1056	405	173-74	998-99	32 Vilamba .	34 Sārvarin .	5 Śrāvaṇa .
4101	922	1057	406	174-75	999-1000	33 Vikārin .	35 Plava .	...
4102	923	1058	407	175-76	*1000-01	34 Sārvarin .	36 Subhakṛit .	...
4103	924	1059	408	176-77	1001-02	35 Plava .	37 Śōbhana .	4 Āshāḍha .
4104	925	1060	409	177-78	1002-03	36 Subhakrit .	38 Krōdhin .	...
4105	926	1061	410	178-79	1003-04	37 Śōbhana .	39 Viśvāvasu .	...
4106	927	1062	411	179-80	*1004-05	38 Krōdhin .	40 Parābhava .	2 Vaiśākha .
4107	928	1063	412	180-81	1005-06	39 Viśvāvasu .	41 Plavaṅga .	...
4108	929	1064	413	181-82	1006-07	40 Parābhava .	42 Kilaka .	6 Bhādrapada .
4109	930	1065	414	182-83	1007-08	41 Plavaṅga .	43 Saumya .	...
4110	931	1066	415	183-84	*1008-09	42 Kilaka .	44 Sādhāraṇa .	...
4111	932	1067	416	184-85	1009-10	43 Saumya .	45 Virōdhakṛit .	5 Śrāvaṇa .
4112	933	1068	417	185-86	1010-11	44 Sādhāraṇa .	46 Paridhāvin .	...
4113	934	1069	418	186-87	1011-12	45 Virōdhakṛit .	47 Pramādin .	...
4114	935	1070	419	187-88	*1012-13	46 Paridhāvin .	48 Ānanda .	3 Jyēṣṭha .
4115	936	1071	420	188-89	1013-14	47 Pramādin .	49 Rākshasa .	...
4116	937	1072	421	189-90	1014-15	48 Ānanda .	50 Anala .	...
4117	938	1073	422	190-91	1015-16	49 Rākshasa .	51 Piṅgala .	1 Chaitra .
4118	939	1074	423	191-92	*1016-17	50 Anala .	52 Kālayukta .	...
4119	940	1075	424	192-93	1017-18	51 Piṅgala .	53 Siddhārthin .	5 Śrāvaṇa .
4120	941	1076	425	193-94	1018-19	52 Kālayukta .	54 Raudra .	...
4121	942	1077	426	194-95	1019-20	53 Siddhārthin .	55 Durmati .	...

water, the land known as the Pōlachchērikkāl in Kīlkkāḍu to the god at Tirunelli for offering daily at the 'twelve-feet' time of the day<sup>1</sup> and for (burning) a perpetual lamp.

Ll. 11-13. Out of the three times four *nāḷis*<sup>2</sup> of rice, six *nāḷis*, (that is) one half, should be utilised for feeding Brāhmaṇas; the (remaining) half should be taken by the drummers who sound the five great (musical) instruments at the time of bathing (the image of the god).

Ll. 13-18. The *puruṣhas* (persons) who accepted (this gift) as detailed in this copper-plate are Nārāyaṇa Vāsudēvaṇ *alias* Nelkuraḍigaḷ of Tirunelli-puram,<sup>3</sup> Nellamam Nārāyaṇa, Tirunellittāḷvarigaṇ<sup>4</sup>, the *prakṛiti* and the *padipīḍamūlam* employed for the temple of Tirunelli,—in the hands of these did Kuñjikuṭṭavarman *alias* Vira-Kurumburāi, give, by the pouring of water, Pōlachchērikkāl in Kīlkkāḍu.

Ll. 18-19. This *chērikkāl* was given as a *kīḷiḍu* (to be placed) under his (the donor's) agnates, the *yōgiṇs* and the Śrīvaishnavas.

Ll. 19-21. He that offers hindrance to this (item of) expenditure shall (become eligible to) enter the temple, only after having paid a fine of six and a half *kāṇams* of gold in the god's (that is, the temple) treasury and having also paid down double the expense of the offering and the lamp (which were stopped by his interference).

Ll. 21-25. Those who know this (transaction): the *adhikārin*, Ārūr Kuñḍivikramaṇ, Yakkaṇ Ṣattaṇ of Amaiyamaññalam the leader of the army (?), Tūlavilli Ayyaṇ of Kīḷiyāru, Māyipaṇ-Gaṇḍaṇ of Kāyumaṇ and Kaṇḍaṇ Kēriḷaṇ of Maṇaṇṇāḍu and Rāmaṇ Kuñḍi of Kaṇṇaṇūr know (this transaction). As the servant of Iravī Irāmaṇ, the *Maināyaru* of Kurumburāi *nāḍu*, I, Gaṇapati Nilakaṇḍaṇ of Valiṣēri, the gold-smith of Kurumburāi, wrote this and know (the transaction) (and this is my) writing. May the cows and Brāhmaṇas prosper: be it well.

Ll. 26-29. Kuñḍikuṭṭavarman *alias* Vira-Kurumburāiyār, the governor of the larger division of the Kurumburāiyi *nāḍu*, gave a silver pot, a silver sword (?), a flag (?), a necklace of pearls (made of) eight hundred and seventy-eight pearls, which is to be taken out daily and used to adorn the image . . . . .

*Om namō Nārāyaṇāya namaḥ.*

#### No. 28.—SRIRANGAM PLATES OF MALLIKARJUNA: SAKA-SAMVAT 1384.

BY THE LATE T. A. GOPINATHA RAO, M.A., TRIVANDENUM.

The inscription edited below is engraved upon a set of three copper-plates (size 9 $\frac{3}{4}$  in. high, 6 $\frac{3}{8}$  in. broad), of which the first and the last have writing on one side only, namely the

<sup>1</sup> The word *agattu* used with *pandiraḍi* is the *tadbhava* form in Tamil of the Sanskrit *ahar* or *akah*, a day. The phrase *agattu pandiraḍi* literally means 'when the day was (at) twelve feet.' The word *agattu* is found also in the compound *attāḷam*, which is a corruption of *agattāḷam*—*agattu* + *tāla*, 'when the day was down,' that is after sunset. The Malayāḷam language has created the word *muttāḷam*, meaning the early morning, in opposition to *attāḷam*, which is as meaningless as the introduction of an *l* in the English word *could*, which is formed in imitation of the word *should*. [*Agattu* in *agattu-pandiraḍi* cannot be considered to be a *tadbhava* of the Sanskrit word *ahar*: *agattu* means "within or before." The full expression of which "*agattu-pandiraḍi*" is a shortened form is "*uḷḷēḷi agattu pandiraḍi*", which means "twelve feet (time) before (the sun gets to) zenith": and this term is opposed to "*uḷḷēḷi tiriṇṇu pandiraḍi*", meaning "twelve feet (time) after zenith." A given shadow length will occur twice daily, once before the sun reaches the zenith and once after it. Thus, *agattu-pandiraḍi* = 8 A.M. and its antonym *tiriṇṇu pandiraḍi* = 8.47 P.M. I may note that "*agattu-irubattaiyaḍi*" and "*uḷḷēḷi tiriṇṇu irubattaiyaḍi*" occur in an inscription of Mūḷikkāḷam in the Travancore State.—K. V. S.]

<sup>2</sup> [*Munnāṇāḷiḡāl aruṇāḷi* means "six *nāḷi* (as measured by) the *munṇāṇāḷi*" and not "three times four *nāḷi*", as has been rendered. *Munnāṇāḷi* might, however, mean "three times four *nāḷi*", and in this case "*munṇāṇāḷiḡāl aruṇāḷi*" would be equivalent to seventy-two *nāḷi*.—K. V. S.]

<sup>3</sup> [This must be altered into "Tirunārāyaṇa . . . . . of Tirunelli."—K. V. S.]

<sup>4</sup> [*Taḷavāra* in Kanarese means 'a village watchman.' Perhaps *Tirunellittāḷvarigaṇ* here denotes 'the watchman of Tirunelli.'—H. K. S.]

## LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Māha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	
		H. M. S.						1
23 Mar. (82)	0 Sat. .	9 47 30	5 Mar. (64)	3 Tues.	2-9455	326-8174	227-0556	4097
22 Mar. (82)	1 Sun. .	16 0 0	22 Feb. (53)	0 Sat. .	9878-6289	174-0522	196-2327	4098
22 Mar. (81)	2 Mon. .	22 12 30	12 Mar. (71)	6 Fri. .	9913-2685	110-0357	247-5424	4099
23 Mar. (82)	4 Wed.	4 25 0	2 Mar. (61)	4 Wed.	127-5838	993-5622	219-4563	4100
23 Mar. (82)	5 Thur.	10 37 30	21 Mar. (80)	3 Tues.	162-2234	929-5456	270-7661	4101
22 Mar. (82)	6 Fri. .	16 50 0	9 Mar. (69)	0 Sat. .	37-9068	776-7804	239-9422	4102
22 Mar. (81)	0 Sat. .	23 2 30	27 Feb. (58)	5 Thur.	252-2221	660-3068	211-8562	4103
23 Mar. (82)	2 Mon. .	5 15 0	17 Mar. (76)	3 Tues.	9948-2298	559-9987	260-4280	4104
23 Mar. (82)	3 Tues.	11 27 30	6 Mar. (65)	0 Sat. .	9823-9122	407-2335	229-6042	4105
22 Mar. (82)	4 Wed.	17 40 0	24 Feb. (55)	5 Thur.	38-2274	290-7599	201-5181	4106
22 Mar. (81)	5 Thur.	23 52 30	13 Mar. (72)	3 Tues.	9734-2362	190-4518	250-0901	4107
23 Mar. (82)	0 Sat. .	6 5 0	3 Mar. (62)	1 Sun. .	9948-5515	73-9783	222-0040	4108
23 Mar. (82)	1 Sun. .	12 17 30	22 Mar. (81)	0 Sat. .	9983-1911	9-9618	274-3137	4109
22 Mar. (82)	2 Mon. .	18 30 0	11 Mar. (71)	5 Thur.	197-5963	893-4882	245-2277	4110
23 Mar. (82)	4 Wed.	0 42 30	28 Feb. (59)	2 Mon. .	73-1897	740-7230	214-4037	4111
23 Mar. (82)	5 Thur.	6 55 0	19 Mar. (78)	1 Sun. .	107-8294	676-7066	265-7135	4112
23 Mar. (82)	6 Fri. .	13 7 30	8 Mar. (67)	5 Thur.	9983-5127	523-9413	234-8896	4113
22 Mar. (82)	0 Sat. .	19 20 0	25 Feb. (56)	2 Mon. .	9859-1961	371-1761	204-0658	4114
23 Mar. (82)	2 Mon. .	1 32 30	15 Mar. (74)	1 Sun. .	9893-8357	307-4513	258-1133	4115
23 Mar. (82)	3 Tues.	7 45 0	4 Mar. (63)	5 Thur.	9769-5190	154-3945	224-8517	4116
23 Mar. (82)	4 Wed.	13 57 30	22 Feb. (53)	3 Tues.	9983-8344	37-9209	196-5655	4117
22 Mar. (82)	5 Thur.	20 10 0	12 Mar. (72)	2 Mon. .	18-4746	973-9044	247-7783	4118
23 Mar. (82)	0 Sat. .	2 22 30	2 Mar. (61)	0 Sat. .	232-7892	887-4309	219-6892	4119
23 Mar. (82)	1 Sun. .	8 35 0	21 Mar. (80)	6 Fri. .	267-6288	792-4143	270-9990	4120
23 Mar. (82)	2 Mon. .	14 47 30	10 Mar. (60)	3 Tues.	143-1122	649-8491	240-1751	4121

second side of the first and the first side of the third, or last, plate, and the plates are numbered 1, 2, and 3 on their written sides, the number 2 being marked on the first side of the second plate. The writing is very well preserved. The inscription is in **Nandi-nāgari** characters, and the language is partly **Sanskrit** and partly **Kannāḍa**; the Kannāḍa portion occupies only a few lines at the end, that is, ll. 68-73. The chief peculiarity of this document is that the *visarga* is omitted in a very large number of instances where it is required and, as in all Vijayanagara grants, the *anusvāra* serves as a substitute for the *varga-pañchamas*.

The grant was made by **Mallikārjuna**, who is also called **Immaḍi Dēva-Rāya** and **Immaḍi Prauḍha-bhūpati**<sup>1</sup> in the record. His genealogy is given as follows:—

Saṅgama  
|  
Bukka-Rāya  
|  
Harihara (II)  
|  
Dēva-Rāya (I)  
|  
Vijaya-Rāya  
|  
Dēva-Rāya (II)

Mallikārjuna *alias* Immaḍi Dēva-Rāya.

In the **Śaka year 1384**, expressed by *bhū*=1, *guṇa*=3, *uṣṭa*=8 and *vēda*=4, which corresponded to the cyclic year **Chitrabhānu**, on the full moon tithi of the bright half of the month **Vaiśākha**, at the sacred moment of a *vyatīpātā*, the king **Mallikārjuna alias Immaḍi Dēva-Rāya** or **Immaḍi Prauḍha-bhūpati** made the grant to the god **Śri-Raṅganātha** of the village of **Uttamanchēri-kīḷiyūr**, in the presence of the god **Chandramaṇḍi**; the object of the grant being that by its virtue it should secure for the king victory, long life and success in the conquest of the four quarters. It was made at the request of **Chammaṭi Sōmaya**, who bore the *virudās* **Antembara-gaṇḍa** and **Manne-gajapati**. From the income of the village the following items of expenditure had to be met for each *parivāṇa* daily, viz.:—rice, 10 *mānakas*; ghee, 3 *mānakas*; plantain fruits, 10; coconuts, 2; green gram,  $\frac{1}{2}$  *kuḍupa*; and fruits and vegetables.

At the above rate six (complete) dishes of food should be daily offered to the god together with a hundred and twenty *apūpa* cakes. A water-shed should be maintained perpetually in front of the temple. Again, areca nuts, 50; betel leaves, 100; and *chunām*; *ghanasāra* (*pachchai-karpūram*), 10 *paṇas* in weight; *kastūri* (musk), 2 *paṇas* in weight; sandal, 6 *palas*, costing 5 *paṇas*; *kunkuma* (*-kēsara*=saffron) and camphor (= *pachchai-karpūram*), 5 *paṇas* in value; and *hima-jalam* (Tamil, *Papi-nīr*=rose-water) with *kastūri* (mixed in it), costing 3 *paṇas*; should be used for daily offerings to the god **Raṅganātha**. Besides these arrangements were made for three grand feedings, one in the month of **Phālguna** and the other two in **Dhanus**: the following articles were to be used on those occasions:—rice, 5 *khāris*; green gram) 1 *drōṇa*; ghee, 1 *āḍhaka*; and fruits and vegetables.

Again, the king ordered that sixty **Vaiṣṇavas** should be fed daily in the **Rāmānuja-kūṭa**, and the amount required for this item of expenditure was also to be derived from the village granted. The village **Uttamachēri-Kīḷiyūr** belonged, it is stated, to the **Chirichitām-palli** (a very corrupt form of **Tiruchchirāppalli**) *rājya*.

<sup>1</sup> Three inscriptions, viz., *Ep. Carn. Sr.* 107, Mysore Dt., and No. 23 of 1905 and No. 161 of 1906 of the Madras Epigraphist's collection, probably refer to **Mallikārjuna** by the name **Vijayarāya** (II). See *A. S. R.* for 1907-8.



TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4122	943	1078	427	195-96	*1020-21	54 Raudra .	56 Dundubhi .	4 Āshāḍha .
4123	944	1079	428	196-97	1021-22	55 Durmati .	57 Rudhirōdgārin	...
4124	945	1080	429	197-98	1022-23	56 Dundubhi .	58 Raktāksha .	...
4125	946	1081	430	198-99	1023-24	57 Rudhirōdgārin	59 Krōdhana .	2 Vaiśākha .
4126	947	1082	431	199-200	*1024-25	58 Raktāksha .	60 Kshaya .	...
4127	948	1083	432	200-01	1025-26	59 Krōdhana .	1 Prabhava .	6 Bhādrapada
4128	949	1084	433	201-02	1026-27	60 Kshaya .	2 Vibhava .	...
4129	950	1085	434	202-03	1027-28	1 Prabhava .	3 Śukla .	...
4130	951	1086	435	203-04	*1028-29	2 Vibhava .	4 Pramōda .	5 Śrāvaṇa .
4131	952	1087	436	204-05	1029-30	3 Śukla .	5 Prajāpati .	...
4132	953	1088	437	205-06	1030-31	4 Pramōda .	6 Āṅgirasa .	...
4133	954	1089	438	206-07	1031-32	5 Prajāpati .	7 Śrīmukha .	3 Jyēṣṭha .
4134	955	1090	439	207-08	*1032-33	6 Āṅgirasa .	8 Bhāva .	...
4135	956	1091	440	208-09	1033-34	7 Śrīmukha .	9 Yuvaṇ .	...
4136	957	1092	441	209-10	1034-35	8 Bhāva .	10 Dhātṛi .	1 Chaitra .
4137	958	1093	442	210-11	1035-36	9 Yuvaṇ .	11 Īśvara .	...
4138	959	1094	443	211-12	*1036-37	10 Dhātṛi .	12 Bahudhānya .	5 Śrāvaṇa .
4139	960	1095	444	212-13	1037-38	11 Īśvara .	13 Pramāthin .	...
4140	961	1096	445	213-14	1038-39	12 Bahudhānya .	14 Vikrama .	...
4141	962	1097	446	214-15	1039-40	13 Pramāthin .	15 Vṛisha .	4 Āshāḍha .
4142	963	1098	447	215-16	*1040-41	14 Vikrama .	16 Chitrabhānu .	...
4143	964	1099	448	216-17	1041-42	15 Vṛisha .	17 Subhānu .	...
4144	965	1100	449	217-18	1042-43	16 Chitrabhānu .	18 Tāraṇa .	2 Vaiśākha .
4145	966	1101	450	218-19	1043-44	17 Subhānu .	19 Pārthiva .	...
4146	967	1102	451	219-20	*1044-45	18 Tāraṇa .	20 Vyaya .	6 Bhādrapada*

The last plate contains the statement that the deed was engraved by Virapa,<sup>1</sup> the son of Mudda-āchārya, for whom one share was allotted; at the end are the usual admonitory and imprecatory verses and the sign-manual, *Śrī-Virūpākṣa*, of the king.

The articles *kastūri*, *kuṅkuma*, *pachchai-karpūram* and sandal form to this day very important objects in the toilet of the image of Raṅganātha. The paste of *kastūri* is applied as a *tilaka*, or forehead-mark, every day to the image, and *pachchai-karpūram*, *kuṅkuma* and sandal are applied to the body. The word *kima-jala*, or rose-water, is the literal translation of the Tamil word *paṇi-nīr* (which is the same as the vulgar *pannīr*); this article does not appear to be employed in the temple of Raṅganātha at the present time. The term *avasara* employed in the document needs a few words of explanation; in every temple there are three to six different times, beginning from the early morning and ending at midnight, during which *pūjās* are performed and offerings made; the *pūjās* are of different degrees of elaborateness, and the offerings are also of various kinds of preparations, such as rice, sugared rice, cakes, etc. Each of these different times of *pūjā* and offerings is called an *avasara* in the Śrīraṅgam temple and, in imitation thereof, in other Vaishṇava temples also. I have not heard the term employed in Śiva temples. The king Mallikārjuna had made by this grant arrangements for the performance of one such *pūjā* every day with the offerings evidently of *poṅgal* (a kind of cooked rice mixed with green gram, salt, ghee, cumin seeds and pepper) and *dōṣais* (a kind of cake made of rice and black gram ground together with water, salt and cumin seeds) or *appam* (a sweet cake) and with vegetable curries. *Rāmānuja-kūṭa* is the name of buildings set apart for the accommodation and boarding of Śrīvaishṇavas, and any Vaishṇava town which lays claim to importance will generally have a *Rāmānuja-kūṭa*. The inscription mentions the names of different measures, such as *khārī*, *drōṇa*, *āḍhaka* or *āḥ(?)aka*, *prasṛiti* and *kuṇḍupa*, which are measures of cubic contents; *paṇa* and *pala* are measures of weight. In the Trichinopoly District oil and ghee are measured in terms of the standard called *āḍam* even to this day.

The *ājñapti* in this instance is Chammaṭi Sōmaya, of whom no particulars are given in the inscription, nor am I able to find any from other sources. He may have been an officer administering the portion of the country surrounding Trichinopoly; there is a village called Sōmarasāmpēṭṭai five miles to the west of Trichinopoly, which may possibly have been named after Chammaṭi Sōmaya.

The following names of places occur in the inscription :—**Chirichiṭāmpalli**, **Uttamachēri-Kiliyūr** and **Śrīraṅgam**; of these Chirichiṭāmpalli is a corrupt form of Tiruchchirāpalli, whose modern vulgar form is Trichinopoly; it is the head-quarters of the district of the same name in the Madras Presidency. Śrīraṅgam is three miles north of Trichinopoly and contains the famous temple of Raṅganātha, which attracts daily hundreds of pilgrims from all parts of India. It is the centre of Śrīvaishṇavism and was the head-quarters of the great Śrīvaishṇava *āchāryas*, beginning from Yāmunārya, down to Maṇavāla-māmuni and others. Uttamachēri is a village situated in the island of Śrīraṅgam and is at a distance of 8 miles due east of Śrīraṅgam.

[Metres: vv. 1, 4, 6, 9, 10, 16 to 41, *Anushṭubh*; v. 2, *Sragdharā*; v. 3, *Āryā*; vv. 5, 7, 8, 12, 13, *Vasanta-tilakā*; v. 11, *Mandākrāntā*; vv. 14-15, *Upajāti*; 42, *Śālini*.]

#### TEXT.<sup>2</sup>

##### First Plate.

1 अगणाधिपतयेनमः ।[\*] चव्याहः प्रथमः पोचो सरसामु[ह]-

2 हंससं<sup>3</sup> ।[\*] प्रियांगसंगसंजातसाद्रंखेदोदयामिव(ः) ।[ १\*॥ ] रिंनंनुत्त-

<sup>1</sup> [It may be noted that this person is identical with the writer of the *Sajjalūr* Copper-plates of Virūpākṣa and *Ep. Carn.*, Vol. III, M. 1. 121.—Ed.]

<sup>2</sup> From inked impressions prepared under my supervision. [See Plate.—F. W. T.]

<sup>3</sup> Read *चव्याहः*.

<sup>4</sup> Read *सुहृद्*.

## LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	1
		H. M. S.						
22 Mar. (82)	3 Tues.	21 0 0	27 Feb. (58)	0 Sat. .	18-6956	487-8840	209-3513	4122
23 Mar. (82)	5 Thur.	3 12 30	17 Mar. (76)	6 Fri. .	53-4352	423-8675	260-6609	4123
23 Mar. (82)	6 Fri. .	9 25 0	6 Mar. (65)	3 Tues.	9929-1186	271-1022	229-8371	4124
23 Mar. (82)	0 Sat. .	15 37 30	23 Feb. (54)	0 Sat. .	9804-8020	118-3371	199-0132	4125
22 Mar. (82)	1 Sun. .	21 50 0	13 Mar. (73)	6 Fri. .	9839-4416	54-3206	250-3230	4126
23 Mar. (82)	3 Tues.	4 2 30	3 Mar. (62)	4 Wed.	53-7569	937-8470	222-2369	4127
23 Mar. (82)	4 Wed.	10 15 0	22 Mar. (81)	3 Tues.	88-3965	873-8305	273-5466	4128
23 Mar. (82)	5 Thur.	16 27 30	12 Mar. (71)	1 Sun. .	302-7117	757-3570	245-4606	4129
22 Mar. (82)	6 Fri. .	22 40 0	29 Feb. (60)	5 Thur.	178-3951	604-5917	214-6366	4130
23 Mar. (82)	1 Sun. .	4 52 30	18 Mar. (77)	3 Tues.	9874-4029	504-2837	263-2086	4131
23 Mar. (82)	2 Mon. .	11 5 0	7 Mar. (66)	0 Sat. .	9750-0862	351-5185	232-3847	4132
23 Mar. (82)	3 Tues.	17 17 30	25 Feb. (56)	5 Thur.	9964-4015	235-0448	204-2987	4133
22 Mar. (82)	4 Wed.	23 30 0	15 Mar. (75)	4 Wed.	9999-0411	171-0284	255-6084	4134
23 Mar. (82)	6 Fri. .	5 42 30	4 Mar. (63)	1 Sun. .	9874-7245	18-2632	224-7846	4135
23 Mar. (82)	0 Sat. .	11 55 0	22 Feb. (53)	6 Fri. .	89-0398	901-7897	196-6984	4136
23 Mar. (82)	1 Sun. .	18 7 30	13 Mar. (72)	5 Thur.	123-6794	837-7731	248-0082	4137
23 Mar. (83)	3 Tues.	0 20 0	1 Mar. (61)	2 Mon. .	9999-3628	685-0080	217-1843	4138
23 Mar. (82)	4 Wed.	6 32 30	20 Mar. (79)	1 Sun. .	34-0024	620-9915	268-4941	4139
23 Mar. (82)	5 Thur.	12 45 0	9 Mar. (68)	5 Thur.	9909-6858	468-2262	237-6702	4140
23 Mar. (82)	6 Fri. .	18 57 30	26 Feb. (67)	2 Mon. .	9785-3692	315-4611	206-8464	4141
23 Mar. (83)	1 Sun.	1 10 0	16 Mar. (76)	1 Sun. .	9820-0088	251-4446	258-1561	4142
23 Mar. (82)	2 Mon.	7 22 30	6 Mar. (65)	6 Fri. .	34-3241	134-9710	230-0700	4143
23 Mar. (82)	3 Tues.	13 35 0	23 Feb. (54)	3 Tues.	9910-0075	982-2058	199-2461	4144
23 Mar. (82)	4 Wed.	19 47 30	14 Mar. (73)	2 Mon. .	9944-6471	918-1893	250-5559	4145
23 Mar. (83)	6 Fri. .	2 0 0	3 Mar. (63)	0 Sat. .	158-9623	801-7158	222-4698	4146

- 3 मरुते निहरदधौवाकंवरः<sup>(1)</sup>स्वोत्तमांवाकंवरंविपुले-  
 4 खां पितरि गतरदस्यमारीपर्यय । मातुः<sup>(2)</sup> प्रीत्याद्ययत्वाः<sup>(3)</sup> कि-  
 5 तदुचिचदनं वीचमाचः रुहासं वाको [वाक]अभूमिः<sup>(4)</sup> क-  
 6 जयतु सुदितो संगकायेकदंतः । [१ २\*] प्रसि जभिमतदुदयो सु-  
 7 त्तामयसूतिसंभवक<sup>(5)</sup>हिमा । जनस्यभूतविभवः<sup>(6)</sup> रुच-  
 8 वंसहितो यदोर्वरोर्वसः<sup>(7)</sup> । [१ ३\*] तत्तासीखंगमो न[१\*]य भूमिपाको  
 9 गुणीतरः । एन कनीटदेसजो<sup>(8)</sup> स्त्रिरताटंकवत्तभूत् [१ ४\*] तत्ताद-  
 10 ज्ञायत निज्ञायतखड्गधाराधंपातपादितपर[३\*]स्तवेरिदा-  
 11 जः [१\*] वंसे<sup>(9)</sup> विरीषत्रपिलाय<sup>(10)</sup>करैर्यग्रीभिः<sup>(11)</sup> संजो<sup>(12)</sup>भितसि<sup>(13)</sup>तितककिकः<sup>(14)</sup>  
 12 रुक्मरावः ॥ ५\*॥ यासीदासीमभूमोस्योकिमास्त्रिमांयन<sup>(15)</sup> । राजा हरि-  
 13 हर[२\*]तस्याद्यदुवंसधिचंद्रमाः<sup>(16)</sup> । [१ ६\*] पासीदा<sup>(17)</sup>सीममहिमा हिमधा-  
 14 वकीर्त्त[स्त्री]<sup>(18)</sup>तचियो हरिहरादुपते<sup>(19)</sup>इद्वारः<sup>(20)</sup> । उहामवामनरप[१]-  
 15 लकुलास्त्रिमंथमंथाचलस्त्रिरभुजो भुवि देवरायः<sup>(21)</sup> । [१ ७\*] तत्त[१\*]दुदन्ध-  
 16 त इरेदुद्वारकीर्त्तिजात<sup>(22)</sup>कलात्रविस्त्रासविवासभूमिः<sup>(23)</sup> । जै<sup>(24)</sup>वा-  
 17 तृणः<sup>(25)</sup> कलितकीर्त्तिकलापचंचंद्रातपो<sup>(26)</sup> विजयरा[य\*]महीमईदः । [१ ८\*] त-  
 18 तोजनि महाराजो देवराव इवापरः । सुमनसवितो जिष्णुदेव<sup>(27)</sup>,  
 19 रायो धराधिपः<sup>(28)</sup> । [१ ९\*] धनंजयधनुर्विद्यानिवद्या(धो)यो धराविपः<sup>(29)</sup> । ज्ञात-  
 20 वस्त्रोपि विव्य[१\*]तत्तल्लक्ष्मी महीतके<sup>(30)</sup> । [१ १०\*] इत्यस्तद्विरदकरस्यो<sup>(31)</sup>-  
 21 तदुहामदान[स्त्र]ायत्पायः<sup>(32)</sup>प्रष्टमरजरी<sup>(33)</sup>जासजंवाकजया [१\*] वि-  
 22 तं वीरप्रतिभष्टप्रांसुवंसां दहंती<sup>(34)</sup> नास्यन्यस्यं दहति तृ[णक\*]-  
 23 यव्यतापानकाचिः<sup>(35)</sup> । [१ ११\*] तेजोनिधेरजनि भूमिपतेरुजा<sup>(36)</sup>ज्जीमजि-  
 24 कार्जुन इति प्रमितः<sup>(37)</sup> कुमारः<sup>(38)</sup> । योर्यादिभिर्गुणैरद्विजे<sup>(39)</sup> च

<sup>1</sup> Read विपुलमुत्तम.

<sup>2</sup> Read य.

<sup>3</sup> Read चीत्रय<sup>o</sup> as in *Ep. Cass.*, Vol. VIII, Part II, Pl. 206.

<sup>4</sup> Read वंशः.

<sup>5</sup> Read मे.

<sup>6</sup> Read तत्तल्लक्ष्मी.

<sup>7</sup> Read जै.

<sup>8</sup> Read जै.

<sup>9</sup> Read इरेदुद्वारकीर्त्तिजातः कला

<sup>10</sup> Read जे.

<sup>11</sup> Read जे.

<sup>12</sup> Read जे.

<sup>13</sup> Read जे.

<sup>14</sup> Read जे.

<sup>15</sup> Read जे.

<sup>16</sup> Read जे.

<sup>17</sup> Read जे.

<sup>18</sup> Read जे.

<sup>19</sup> Read जे.

<sup>20</sup> Read जे.

<sup>21</sup> Read जे.

<sup>22</sup> Read जे.

<sup>1</sup> Read विपुल मुत्तमकाकंवरंविपुले.

<sup>2</sup> Read य.

<sup>3</sup> Read चीत्रय<sup>o</sup> as in *Ep. Cass.*, Vol. VIII, Part II, Pl. 206.

<sup>4</sup> Read वंशः.

<sup>5</sup> Read मे.

<sup>6</sup> Read तत्तल्लक्ष्मी.

<sup>7</sup> Read जै.

<sup>8</sup> Read जै.

<sup>9</sup> Read जै.

<sup>10</sup> Read जै.

<sup>11</sup> Read जै.

<sup>12</sup> Read जै.

<sup>13</sup> Read जै.

<sup>14</sup> Read जै.

<sup>15</sup> Read जै.

<sup>16</sup> Read जै.

<sup>17</sup> Read जै.

<sup>18</sup> Read जै.

<sup>19</sup> Read जै.

<sup>20</sup> Read जै.

<sup>21</sup> Read जै.

<sup>22</sup> Read जै.

<sup>23</sup> Read जै.

<sup>24</sup> Read "ज्जीमजि". There are several errors in this verse, such as omission of letters, and so the sense conveyed by the verse is difficult to be understood. ['The fire of his prowess, born in mine. . . burns bamboo forests, but not the grass in the mouth of his enemies: strange!']—H. K. S.]

<sup>25</sup> Read "रुक्मरावः".

<sup>26</sup> Read "जिष्णुदेव".

<sup>27</sup> Read "ज्जीमजि".

TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kahaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitradī Vikrama.	Meshādī solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4147	968	1103	452	220-21	1045-46	19 Pārthiva .	21 Sarvajit, .	...
4148	969	1104	453	221-22	1046-47	20 Vyaya .	22 Sarvadhārin .	...
4149	970	1105	454	222-23	1047-48	21 Sarvajit .	23 Virōdhin .	5 Śrāvaṇa .
4150	971	1106	455	223-24	*1048-49	22 Sarvadhārin .	24 Vikṛita .	...
4151	972	1107	456	224-25	1049-50	23 Virōdhin .	25 Khara .	...
4152	973	1108	457	225-26	1050-51	24 Vikṛita .	26 Nandana .	3 Jyēṣṭha .
4153	974	1109	458	226-27	1051-52	25 Khara .	27 Vijaya .	...
4154	975	1110	459	227-28	*1052-53	26 Nandana .	28 Jaya .	{ 7 Āsvina 10 Pausa ( <i>kah</i> ) }
4155	976	1111	460	228-29	1053-54	27 Vijaya .	29 Manmatha .	1 Chaitra .
4156	977	1112	461	229-30	1054-55	28 Jaya .	30 Durmukha .	...
4157	978	1113	462	230-31	1055-56	29 Manmatha .	31 Hēmalamba .	5 Śrāvaṇa .
4158	979	1114	463	231-32	*1056-57	30 Durmukha .	32 Vilamba .	...
4159	980	1115	464	232-33	1057-58	31 Hēmalamba .	33 Vikārin .	...
4160	981	1116	465	233-34	1058-59	32 Vilamba .	34 Śārvarin .	4 Āshāḍha .
4161	982	1117	466	234-35	1059-60	33 Vikārin .	35 Plava .	...
4162	983	1118	467	235-36	*1060-61	34 Śārvarin .	36 Subhakarit .	...
4163	984	1119	468	236-37	1061-62	35 Plava .	37 Śōbhana .	2 Vaiśākha .
4164	985	1120	469	237-38	1062-63	36 Subhakarit .	38 Krōdhin .	...
4165	986	1121	470	238-39	1063-64	37 Śōbhana .	39 Viśvāvasu .	6 Bhādrapada .
4166	987	1122	471	239-40	*1064-65	38 Krōdhin .	40 Parābhava .	...
4167	988	1123	472	240-41	1065-66	39 Viśvāvasu .	41 Plavaṅga .	...
4168	989	1124	473	241-42	1066-67	40 Parābhava .	42 Kūḷaka .	4 Āshāḍha .
4169	990	1125	474	242-43	1067-68	41 Plavaṅga .	43 Saumya .	...
4170	991	1126	475	243-44	*1068-69	42 Kūḷaka .	44 Śādhārana .	...
4171	992	1127	476	244-45	1069-70	43 Saumya .	45 Virōdhakarit .	3 Jyēṣṭha .

- 25 ताता[ः]ति य नृपतिमिन्द्रिचराय<sup>1</sup> ।[। १२१\*] धाना<sup>2</sup> निजं वित-  
 26 एवं विलिराजवाहः[ः] सेकोदकं जलधरा[ः]च्छ[द]नानि<sup>3</sup> मेवाः ।[\*]

Second Plate: First Side.

- 27 तारा[ः]मतिमम<sup>4</sup> रोहिण्यनयद्विचंद्र पलं<sup>5</sup> भवति यस्य च कीर्तिवत्त्वा(वत्) [। १२१\*]  
 28 यस्य प्रतापानकजु<sup>6</sup> भवाचवाहाजटाको भुवनांतराखे वरंत-  
 29 यः[\*] [म]ावदनुप्रवे<sup>7</sup> पल्लवि<sup>8</sup> पृथ्वीपतिहृदीषु ।[। १२१\*] वदोन्म ये-  
 30 पार्थिवनाय इच्छा<sup>10</sup>[ः]मिव क्षामिष मामपीति । भि-  
 31 येव यकीर्तिवदासवेगादिगाहतेतं<sup>11</sup> ककुभामनंतं ।[। १२१\*] स वी-  
 32 रो राजसार्दूलो<sup>12</sup> सर्व<sup>13</sup>धर्मक्षतार्थधी[ः] [।] तीर्थसा<sup>14</sup>र्याहते[ः] पुण्ये[ः]  
 33 सुस्नातं सुचिमनसः<sup>15</sup> ।[। १२१\*] धारित(ा)चौमयुजके[।\*] धवकाक्षतमा-  
 34 खष्टत् । धर्मक्ष<sup>16</sup>नयते[ः] सक्तिः सद्युतो धरणीधरः<sup>17</sup> ॥[१२१\*] शालिवा-  
 35 हननिनी<sup>18</sup>तमकवर्षमा[म\*]ने । वेदाष्टगुणसु<sup>19</sup>बुद्धे चिपभाजो  
 36 च वक्षरे ।[। १२१\*] वैसा<sup>20</sup>वाख्ये च मासि तु बीजिमावां तिथी तथा । ओरंते-  
 37 नाथदेवस्य अवसरस्य<sup>21</sup> [म]मायकं ।[। १२१\*] एकस्य परिवाणस्य म-  
 38 मोकल्पितमानकै[ः][\*]<sup>22</sup> इवभिस्तं दुर्कीरन<sup>23</sup> कृतं च मयु<sup>24</sup>तिवधं [। २०॥\*]  
 39 कवकीषसाह[ः]क्ष<sup>25</sup> नारिकेलस्य तथा । सुनाथ कुडुपार्थ<sup>26</sup>च  
 40 [फ]लसाकादकेव<sup>27</sup> तु ।[। २२१\*] एव प्रकार<sup>28</sup>परिवाणपट्टेरेवार्थ<sup>29</sup>  
 41 सदा । विसत्पुत्रसतकमपूपागा<sup>30</sup> समूहकं ।[। २२१\*] प्रत्येकपरिवा-  
 42 णेन मेवेयं क्रियतां बुधै[ः] । पूगीफलार्थसतक<sup>31</sup> नामव-  
 43 क्षीसत<sup>32</sup> तथा ।[। २२१\*] खे<sup>33</sup>तेरेव तु तावू<sup>34</sup>क्षं घनसारप्रमायकं । य-  
 44 णागादसक<sup>35</sup> तूक<sup>36</sup> कस्युरी च पण्ड्यं ।[। २४१\*] धंधस्तु प[ल]वहं

<sup>1</sup> Read °ममि यं नृपतिमिन्द्रिचरायम्.

<sup>2</sup> Read धानं.

<sup>3</sup> Read °यच्छदनानि.

<sup>4</sup> Read ताराप्रमनन.

<sup>5</sup> Read °पलः पलं.

<sup>6</sup> Read °नलजु.

<sup>7</sup> Read म. Could the reading be परामयः प्रापदनुप्रवे<sup>7</sup> ? [Of धरं तपः 'the excessive heat, or pain, entered the hearts of hostile printers' ?—F. W. T.]

<sup>8</sup> Read प्रलवि.

<sup>9</sup> Read ए.

<sup>10</sup> Read म.

<sup>11</sup> Read वरवीतिवदासवेगादिगाहतेन.

<sup>12</sup> Read °सादूलक्ष्मी.

<sup>13</sup> Read क्षी.

<sup>14</sup> Read सुनाथ बुधि.

<sup>15</sup> Read क्षी.

<sup>16</sup> Read सद्युतो °धरः

<sup>17</sup> Read वी.

<sup>18</sup> Read म.

<sup>19</sup> Read मा.

<sup>19</sup> Read इवसावसरस्य.

<sup>20</sup> Read म.

<sup>21</sup> Read मयुक्त्वित °cf. मयुक्त्वैर्मानं

in l. 52 below.

<sup>22</sup> Read म.

<sup>22</sup> Read म.

<sup>23</sup> Read °कवक्षसकं.

<sup>23</sup> Read कुडुपार्थ.

<sup>24</sup> Read °साकादिकेव तु.

<sup>24</sup> There is the word ००० which in this foot.

<sup>25</sup> Read यंता

<sup>25</sup> Read विसत्पुत्रसतकमपूपागा.

<sup>26</sup> Read °क्षीसतकं.

<sup>26</sup> Read °मत्तं.

<sup>27</sup> Read वे°.

<sup>28</sup> Read म.

<sup>28</sup> Read °मययं.

<sup>29</sup> [I would suggest तूकम्.—H. K. S.]

LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA SUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	1
		H. M. S.						
23 Mar. (82)	0 Sat. .	8 12 30	22 Mar. (81)	6 Fri. .	193-6019	737-6992	273-7795	4147
23 Mar. (82)	1 Sun. .	14 25 0	11 Mar. (70)	3 Tues.	69-2853	584-9341	242-9557	4148
23 Mar. (82)	2 Mon. .	20 27 30	29 Feb. (59)	0 Sat. .	9944-9688	432-1689	212-1218	4149
23 Mar. (83)	4 Wed.	2 50 0	18 Mar. (78)	6 Fri. .	9979-6083	368-1524	263-4415	4150
23 Mar. (82)	5 Thur.	9 2 30	7 Mar. (66)	3 Tues.	9855-2917	215-3872	232-6177	4151
23 Mar. (82)	6 Fri. .	15 15 0	25 Feb. (56)	1 Sun. .	69-6069	98-9136	204-5216	4152
23 Mar. (82)	0 Sat. .	21 27 30	16 Mar. (75)	0 Sat. .	104-2465	34-8972	255-8413	4153
23 Mar. (83)	2 Mon. .	3 40 0	4 Mar. (64)	4 Wed.	9979-9299	882-1319	225-0175	4154
23 Mar. (82)	3 Tues.	9 52 30	22 Feb. (53)	2 Mon. .	194-2452	765-6584	196-9313	4155
23 Mar. (82)	4 Wed.	16 5 0	13 Mar. (72)	1 Sun. .	228-8848	701-6410	248-2411	4156
23 Mar. (82)	5 Thur.	22 17 30	2 Mar. (61)	5 Thur.	104-5682	548-8767	217-4172	4157
23 Mar. (83)	0 Sat. .	4 30 0	20 Mar. (80)	4 Wed.	139-2078	484-8602	268-7270	4158
23 Mar. (82)	1 Sun. .	10 42 30	9 Mar. (68)	1 Sun. .	14-8912	332-0950	237-9031	4159
23 Mar. (82)	2 Mon. .	16 55 0	26 Feb. (57)	5 Thur.	9890-5746	179-3299	207-0793	4160
23 Mar. (82)	3 Tues.	22 7 30	17 Mar. (76)	4 Wed.	9923-2142	115-3133	258-3890	4161
23 Mar. (83)	5 Thur.	5 20 0	6 Mar. (66)	2 Mon. .	139-5205	998-8397	230-3029	4162
23 Mar. (82)	6 Fri. .	11 32 30	23 Feb. (54)	6 Fri. .	15-2129	846-0746	199-4790	4163
23 Mar. (82)	0 Sat. .	17 45 0	14 Mar. (73)	5 Thur.	49-8525	782-0580	250-7888	4164
23 Mar. (82)	1 Sun. .	23 57 30	4 Mar. (63)	3 Tues.	264-1677	665-5845	222-7027	4165
23 Mar. (83)	3 Tues.	6 10 0	21 Mar. (81)	1 Sun. .	9960-1755	565-2764	271-2747	4166
23 Mar. (82)	4 Wed.	12 22 30	10 Mar. (69)	5 Thur.	9835-8589	412-5112	240-5508	4167
23 Mar. (83)	5 Thur.	18 35 0	28 Feb. (59)	3 Tues.	50-1742	296-0396	212-3647	4168
24 Mar. (83)	0 Sat. .	0 47 30	18 Mar. (77)	1 Sun. .	9746-1819	195-7275	260-9366	4169
23 Mar. (83)	1 Sun. .	7 0 0	7 Mar. (67)	6 Fri. .	9969-4972	79-2560	232-8506	4170
26 Mar. (82)	2 Mon. .	13 12 30	25 Feb. (56)	4 Wed.	174-8124	962-7823	204-7645	4171

45 स्यात् तस्य प<sup>1</sup>चपणं तथा । कुकुमं घनसारं च पणानां पंच-  
 46 कं तथा ।। २५॥\*] कस्तूरो त्रिप<sup>2</sup> ज्ञेयं तथा हिमजलं च तत् ।  
 47 एवं प्रतिदिनं सम्यक्कर्त्तव्यं च बुधैः सदा ।। २६॥\*] एकस्य वत्सर-  
 48 स्याथ महीपारचय<sup>3</sup> तथा । एकं [फ]ाशुगुणमासि<sup>4</sup> तु धनुर्मासि  
 49 द्वयं तथा ।। २७॥\*] महीपहारस्यैकस्य तंडुलानां प्रमाणकं । खा-  
 50 रीणां पंच भिसुडे सुहानां द्रोणकं तथा ।। २८॥\*] द्रुतमा[ड]-  
 51 कमेकं तु पक्षसाकादिकं<sup>5</sup> तथा । तंडुला<sup>6</sup> च सुहानां [घृ]-

*Second Plate : Second Side.*

52 तस्यापि तथैवि<sup>6</sup> च ।। २९॥\*] सर्वं मनुजैर्मानै पाठकै<sup>7</sup> रे-  
 53 व कल्प्यतां । [प्र]त्यहं देवभ[व\*]नपुरद्वारे प्रपा स-  
 54 दा । ।। ३०॥\*] उदकै[:\*] पूरितैव स्यात् कर्त्तव्या नात्र सस-<sup>8</sup>  
 55 यः । चिरिचिटांपन्निराजे उत्तमंचेरि<sup>9</sup>किळ्युह [॥ ३१॥\*] [इ]-  
 56 ति ग्रामं<sup>10</sup> प्रसिद्धितः । तस्मिन्नर्थ<sup>11</sup> तु देवस्य पूर्वो[त्ता\*]-  
 57 वसरातिकं । अर्धग्रामेण कर्त्तव्यं (i) इत्यर्थ<sup>12</sup>-  
 58 परं तथा(:) ।। ३२॥\*] श्रीर[ग]नाथभागस्य उत्तमंचेरिकिळ्युह<sup>13</sup> [१\*] इ-  
 59 तिग्रामं प्रसिद्धितः । श्रीमंतैवराग<sup>14</sup> डाल्य-  
 60 मन्न<sup>15</sup>गजपतिस्य च ।। ३३॥\*] श्रीमत्त्वन्मटिग्री[म]य-  
 61 स्वामिनं[१\*] विनहृक्त<sup>16</sup> । श्रीरामानुजकूटे च प्रत्य-  
 62 हं भोजनस्य च ।। ३४॥\*] षष्ठिवैष्णव[१\*]<sup>17</sup> एवात्र भोज-  
 63 व्या[:] सर्वदा नृपः । राजा विजयरक्षार्थं प्रा-<sup>18</sup>

<sup>1</sup> Read घं.

<sup>2</sup> If ह is supplied and the word read as महीपहारचय there would be one syllable in excess.

<sup>3</sup> Read तन्वहानां.

<sup>4</sup> Read पक्षसाकादिकं

<sup>5</sup> Read पाचयन्.

<sup>6</sup> Read व

<sup>7</sup> Read मानैराठके

<sup>8</sup> Read संज्ञ.

<sup>9</sup> Read राज्य उत्तमंचेरि

<sup>10</sup> Read ग्रामः.

<sup>11</sup> Read तस्मिन्नर्थ.

<sup>12</sup> The exact shape of the phrase इत्यर्थपरं is not clear. There is some mistake here in the passage. [Read इत्यर्थः ? The इतिग्रामं प्रसिद्धितः in ll. 53-5 seems superfluous in the verse and an anticipation of ll. 58-9.—

F. W. T.]

[Perhaps इतोप्याथ परं तथा was meant.—H. K. S.]

<sup>13</sup> Read किळ्युह, as in l. 55.

<sup>14</sup> Read गं

<sup>15</sup> Read मन्ने. The word पत्ति is incorrect.

<sup>16</sup> Read विनहृक्तम्. The Kannada form विनहृ (i.e. विनापन) is used in this Sanskrit passage.

<sup>17</sup> The form षष्ठिवैष्णव is also wrong.

<sup>18</sup> Read "संज्ञ".



TABLE

CONCURRENT YEAR.								INTERCALATED (adhika) and SUPPRESSED (kshaya) LUNAR MONTHS (true).
Kali.	Śaka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4172	993	1128	477	245-46	1070-71	44 Sādhārāṇa .	46 Paridhāvin .	...
4173	994	1129	478	246-47	1071-72	45 Virōdhakṛit .	47 Pramādin .	7 Āvina .
4174	995	1130	479	247-48	*1072-73	46 Paridhāvin .	48 Ānanda .	...
4175	996	1131	480	248-49	1073-74	47 Pramādin .	49 Rākshasa .	...
4176	997	1132	481	249-50	1074-75	48 Ānanda .	50 Anala .	5 Śrāvapa .
4177	998	1133	482	250-51	1075-76	49 Rākshasa .	51 Piṅgala† .	...
4178	999	1134	483	251-52	*1076-77	50 Anala .	53 Siddhārthin .	...
4179	1000	1135	484	252-53	1077-78	51 Piṅgala .	54 Raudra .	3 Jyēshṭha .
4180	1001	1136	485	253-54	1078-79	52 Kālayukta .	55 Durmati .	...
4181	1002	1137	486	254-55	1079-80	53 Siddhārthin .	56 Dundubhi .	...
4182	1003	1138	487	255-56	*1080-81	54 Raudra .	57 Rudhirōdgārin .	2 Vaiśākha .
4183	1004	1139	488	256-57	1081-82	55 Durmati .	58 Raktāksha .	...
4184	1005	1140	489	257-58	1082-83	56 Dundubhi .	59 Krōdhana .	6 Bhādrapada .
4185	1006	1141	490	258-59	1083-84	57 Rudhirōdgārin .	60 Kshaya .	...
4186	1007	1142	491	259-60	*1084-85	58 Raktāksha .	1 Prabhava .	...
4187	1008	1143	492	260-61	1085-86	59 Krōdhana .	2 Vibhava .	4 Āshāḍha .
4188	1009	1144	493	261-62	1086-87	60 Kshaya .	3 Śukla .	...
4189	1010	1145	494	262-63	1087-88	1 Prabhava .	4 Pramōda .	...
4190	1011	1146	495	263-64	*1088-89	2 Vibhava .	5 Prajāpati .	3 Jyēshṭha .
4191	1012	1147	496	264-65	1089-90	3 Śukla .	6 Āngirasa .	...
4192	1013	1148	497	265-66	1090-91	4 Pramōda .	7 Śrīmukha .	7 Āvina .
4193	1014	1149	498	266-67	1091-92	5 Prajāpati .	8 Bhāva .	...
4194	1015	1150	499	267-68	*1092-93	6 Āngirasa .	9 Yuvan .	...
4195	1016	1151	500	268-69	1093-94	7 Śrīmukha .	10 Dhātṛi .	5 Śrāvapa .
4196	1017	1152	501	269-70	1094-95	8 Bhāva .	11 Īśvara .	...

† 52 Kālayukta was suppressed in the north.

[illegible][illegible]

LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	1
		H. M. S.						
23 Mar. (82)	3 Tues.	19 25 0	16 Mar. (75)	3 Tues.	209-4520	898-7659	256-0742	4172
24 Mar. (83)	5 Thur.	1 37 30	5 Mar. (64)	0 Sat. .	85-1354	746-0007	225-2504	4173
23 Mar. (83)	6 Fri. .	7 50 0	23 Mar. (83)	6 Fri. .	119-7751	681-9843	276-5600	4174
23 Mar. (82)	0 Sat. .	14 2 30	12 Mar. (71)	3 Tues.	9995-4584	529-2190	245-7362	4175
23 Mar. (82)	1 Sun. .	20 15 0	1 Mar. (60)	0 Sat. .	9871-1418	376-4538	214-9123	4176
24 Mar. (83)	3 Tues.	2 27 30	20 Mar. (79)	6 Fri. .	9905-7814	312-4374	266-2221	4177
23 Mar. (83)	4 Wed.	8 40 0	8 Mar. (68)	3 Tues.	9781-4647	159-6721	235-3982	4178
23 Mar. (82)	5 Thur.	14 52 30	26 Feb. (57)	1 Sun. .	9995-7800	43-1986	207-3122	4179
23 Mar. (82)	6 Fri. .	21 5 0	17 Mar. (76)	0 Sat. .	30-4197	979-1821	258-6219	4180
24 Mar. (83)	1 Sun. .	3 17 30	7 Mar. (66)	5 Thur.	244-7349	862-7084	230-5358	4181
23 Mar. (83)	2 Mon. .	9 30 0	24 Feb. (55)	2 Mon. .	120-4183	709-9433	199-7119	4182
23 Mar. (82)	3 Tues.	15 42 30	14 Mar. (73)	1 Sun. .	155-0579	645-9268	251-0217	4183
23 Mar. (82)	4 Wed.	21 55 0	3 Mar. (62)	5 Thur.	30-7413	493-1616	220-1978	4184
24 Mar. (83)	6 Fri. .	4 7 30	22 Mar. (81)	4 Wed.	65-3809	429-1451	271-5066	4185
23 Mar. (83)	0 Sat. .	10 20 0	10 Mar. (70)	1 Sun. .	9941-0643	276-3799	240-6836	4186
23 Mar. (82)	1 Sun. .	16 32 30	27 Feb. (58)	5 Thur.	9816-7477	123-6148	209-8598	4187
23 Mar. (82)	2 Mon. .	22 45 0	18 Mar. (77)	4 Wed.	9851-3873	59-5982	261-1695	4188
24 Mar. (83)	4 Wed.	4 57 30	8 Mar. (67)	2 Mon. .	65-7026	943-1247	233-0835	4189
23 Mar. (83)	5 Thur.	11 10 0	26 Feb. (57)	0 Sat. .	280-0178	826-6511	204-9974	4190
23 Mar. (82)	6 Fri. .	17 22 30	16 Mar. (75)	6 Fri. .	314-6574	762-6346	256-3071	4191
23 Mar. (82)	0 Sat. .	23 35 0	5 Mar. (64)	3 Tues.	190-3408	608-8694	225-4833	4192
24 Mar. (83)	2 Mon. .	5 47 30	23 Mar. (82)	1 Sun. .	9886-3486	509-5613	274-0551	4193
23 Mar. (83)	3 Tues.	12 0 0	11 Mar. (71)	5 Thur.	9762-0319	356-7962	243-2313	4194
23 Mar. (82)	4 Wed.	18 12 30	1 Mar. (60)	3 Tues.	9976-3472	240-3225	215-1452	4195
24 Mar. (83)	6 Fri. .	0 25 0	20 Mar. (79)	2 Mon. .	10-9868	176-3061	266-4550	4196

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[illegible]

TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Śaka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4197	1018	1153	502	270-71	1095-96	9 Yuvan . .	12 Bahudhānya .	...
4198	1019	1154	503	271-72	*1096-97	10 Dhātṛi . .	13 Pramāthin .	3 Jyēshṭha .
4199	1020	1155	504	272-73	1097-98	11 Īvara . .	14 Vikrama . .	...
4200	1021	1156	505	273-74	1098-99	12 Bahudhānya .	15 Vṛisha . .	...
4201	1022	1157	506	274-75	1099-1100	13 Pramāthin .	16 Chitrabhānu .	2 Vaiśākha .
4202	1023	1158	507	275-76	*1100-01	14 Vikrama . .	17 Subhānu . .	...
4203	1024	1159	508	276-77	1101-02	15 Vṛisha . .	18 Tārāṇa . .	6 Bhādrapada
4204	1025	1160	509	277-78	1102-03	16 Chitrabhānu .	19 Pārthiva . .	...
4205	1026	1161	510	278-79	1103-04	17 Subhānu . .	20 Vyaya . .	...
4206	1027	1162	511	279-80	*1104-05	18 Tārāṇa . .	21 Sarvajit . .	4 Āshāḍha .
4207	1028	1163	512	280-81	1105-06	19 Pārthiva . .	22 Sarvadhārin .	...
4208	1029	1164	513	281-82	1106-07	20 Vyaya . .	23 Virōdhin . .	...
4209	1030	1165	514	282-83	1107-08	21 Sarvajit . .	24 Vikṛita . .	3 Jyēshṭha .
4210	1031	1166	515	283-84	*1108-09	22 Sarvadhārin .	25 Khara . .	...
4211	1032	1167	516	284-85	1109-10	23 Virōdhin . .	26 Nandana . .	7 Āśvina .
4212	1033	1168	517	285-86	1110-11	24 Vikṛita . .	27 Vijaya . .	...
4213	1034	1169	518	286-87	1111-12	25 Khara . .	28 Jaya . .	...
4214	1035	1170	519	287-88	*1112-13	26 Nandana . .	29 Manmatha . .	5 Śrāvaṇa .
4215	1036	1171	520	288-89	1113-14	27 Vijaya . .	30 Durmukha . .	...
4216	1037	1172	521	289-90	1114-15	28 Jaya . .	31 Hōmalamba .	...
4217	1038	1173	522	290-91	1115-16	29 Manmatha . .	32 Vilamba . .	3 Jyēshṭha .
4218	1039	1174	523	291-92	*1116-17	30 Durmukha . .	33 Vikārin . .	...
4219	1040	1175	524	292-93	1117-18	31 Hōmalamba .	34 Śārvarin . .	...
4220	1041	1176	525	293-94	1118-19	32 Vilamba . .	35 Plava . .	1 Chaitra .
4221	1042	1177	526	294-95	1119-20	33 Vikārin . .	36 Subhakṛit . .	...

- 64 युष्मन्नाभिहृद्ये ।[। ३५॥\*] दिसा<sup>१</sup> च विजयार्थं च इन्द्र-  
 65 डिप्रौढभूपतिः । वैसा<sup>२</sup> खे च सिते पक्षे पौर्णिमा-  
 66 स्त्रीः<sup>३</sup> दिने तथा ।[। ३६॥\*] व्यतीपातसमायुक्तपुण्यकाली  
 67 विशेषतः<sup>४</sup> । श्रीचंद्रमौळिदेवस्य सन्निधौ हर्ष-<sup>५</sup>  
 68 मानसः ।[। ३७॥\*] श्रीरंगनाथदेवस्य । चिरचिटांपलि(क्लि)यचा  
 69 वडिगे सलुव उत्तमचेरिकिळियूर<sup>६</sup> व ग्रामद चतु-  
 70 सीमेय वोळ्ळुळ निधि निक्षेप जल पाशाण अक्षि-  
 71 णि आगामि सिद्ध सार्धगळेंब अष्टभोगतेजः[\*]स्वा-  
 72 म्य श्रीरंगद श्रीरंगनाथदेवरिगे समर्पिसि ि[च]-  
 73 तैस्तेवागि<sup>७</sup> सुखदिं भोगिसुवदु ॥

*Third Plate : First Side.*

- 74 स्वष्टा श्रीसु[ह]णाचार्यसूनु[\*] शासनके-  
 75 खकः<sup>९</sup> । वीरण[र\*]सुगुणी धीमान्वृत्तिमेकां समश्रुते ।[। ३८॥\*] स्वद-  
 76 त्ताहि<sup>१०</sup>गुणं पुण्यं परदत्तानुपालनं । परदत्तापहारेण  
 77 सदत्तं निष्फलं<sup>११</sup> भवेत् ॥[। ३९॥\*] स्वदत्तां परदत्तां वा यो हरेत् वसु-  
 78 धरां [\*] षष्टिर्वर्षसहस्राणि वृष्टाया जायते क्लिमि[\*]<sup>१२</sup> ॥[४०॥\*] ऐ<sup>१३</sup>कै  
 79 व भगिनी लीळे सर्वेषामेव भृभुजां । न भोज्या न कर-  
 80 पाद्या विप्रदत्ता वसुंधरा ॥[४१॥\*] दानपालनयोर्मध्ये दानाच्छ्रेयो-  
 81 नुपालनं दानात्स्वर्गमवाप्नोति पालनादच्युतं पदं ।[। ४२॥\*] स[।]-  
 82 मान्याय धर्मसेतुं<sup>१४</sup>पाणां काले काले पालनीयो भवद्भिः[\*]  
 83 सर्वानेतान्माविन[\*] पार्थिवेन्द्राभूयो भूयो<sup>१५</sup> याचति रामचंद्रः[.] ॥[४३॥\*]  
 84 श्रीविरूपाक्ष<sup>१६</sup>

#### ABSTRACT OF CONTENTS.

Adoration to Gaṇādhīpati.

Verse 1. Adoration to the primeval Boar (incarnation of Vishṇu).

V. 2. Adoration to child Gaṇapati.<sup>17</sup>

<sup>1</sup> Read ग्रा.

<sup>2</sup> Read ग्रा.

<sup>3</sup> Read दीर्घमासा.

<sup>4</sup> Read विशेषतः

<sup>5</sup> Read हृद्ये.

<sup>6</sup> Read रं.

<sup>7</sup> Read वा.

<sup>8</sup> Read °चित्तैस्तिदेवाभि.

<sup>9</sup> Read °सिखकः

<sup>10</sup> Read हि.

<sup>11</sup> Read सदत्तं निष्फलं.

<sup>12</sup> Read °तुर्ग.

<sup>13</sup> Read विष्टाया जायते क्लिमि.

<sup>14</sup> Read ए.

<sup>15</sup> Read °सहस्राणि पार्थिवेन्द्रान् भूमी भूमी

<sup>16</sup> Written in Telugu-Kannada characters.

<sup>17</sup> This verse conveys exactly the same thought as in the first verse of the Tamil *Naiṣadha-kāvya* of Aṭṭavarāma Pāṇḍya :-

Tajai-viri-kaṇḍukai-mālai-taṇi mudal śadaiyir-chūḍṇṇ-kulavi-ven-ḍiṅgaḷigra kōṭṭadu kuraiy-eṇṇ-eṇṇi-ppujai  
 neḍuḇ-karattār-paṇṇi-pporpurav-iṇaittu nōkku-majai mada-kkaḷiṇṇi śeṇṇa malar-aḍi śeṇṇi vaippām.

LXI.—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-saṁkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	1
		H. M. S.						
24 Mar. (83)	0 Sat.	6 37 30	9 Mar. (68)	6 Fri.	9886-6702	23-5409	235-6311	4197
23 Mar. (83)	1 Sun.	12 50 0	27 Feb. (58)	4 Wed.	100-9855	907-0673	207-5451	4198
23 Mar. (82)	2 Mon.	19 2 30	17 Mar. (76)	3 Tues.	135-6251	843-0508	258-8547	4199
24 Mar. (83)	4 Wed.	1 15 0	6 Mar. (65)	0 Sat.	11-3085	090-2856	227-9309	4200
24 Mar. (83)	5 Thur.	7 27 30	24 Feb. (55)	5 Thur.	225-6237	573-8121	199-0448	4201
23 Mar. (83)	6 Fri.	13 40 0	13 Mar. (73)	3 Tues.	9921-6314	473-5040	248-5168	4202
23 Mar. (82)	0 Sat.	19 52 30	2 Mar. (61)	0 Sat.	9767-3148	320-7388	217-6929	4203
24 Mar. (83)	2 Mon.	2 5 0	21 Mar. (80)	6 Fri.	9831-9544	256-7233	269-0026	4204
24 Mar. (83)	3 Tues.	8 17 30	11 Mar. (70)	4 Wed.	46-2697	140-2487	240-9165	4205
23 Mar. (83)	4 Wed.	14 30 0	28 Feb. (59)	1 Sun.	9921-9531	987-4835	216-0627	4206
23 Mar. (82)	5 Thur.	20 42 30	18 Mar. (77)	0 Sat.	9956-5927	923-4670	261-4024	4207
24 Mar. (83)	0 Sat.	2 55 0	8 Mar. (67)	5 Thur.	170-9080	806-9935	233-3163	4208
24 Mar. (83)	1 Sun.	9 7 30	25 Feb. (56)	2 Mon.	46-5913	654-2283	202-4925	4209
23 Mar. (83)	2 Mon.	15 20 0	15 Mar. (75)	1 Sun.	81-2310	590-2118	253-8022	4210
23 Mar. (83)	3 Tues.	21 32 30	4 Mar. (63)	5 Thur.	9956-9143	437-4466	222-9783	4211
24 Mar. (83)	5 Thur.	3 45 0	23 Mar. (82)	4 Wed.	9991-5540	373-4301	274-2880	4212
24 Mar. (83)	6 Fri.	9 57 30	12 Mar. (71)	1 Sun.	9867-2374	229-6049	243-4642	4213
23 Mar. (83)	0 Sat.	16 10 0	1 Mar. (61)	6 Fri.	81-5526	104-1913	215-3781	4214
23 Mar. (82)	1 Sun.	22 22 30	20 Mar. (79)	5 Thur.	116-1922	40-1749	266-6979	4215
24 Mar. (83)	3 Tues.	4 35 0	9 Mar. (68)	2 Mon.	9991-8755	987-4097	235-8740	4216
24 Mar. (83)	4 Wed.	10 47 30	27 Feb. (58)	0 Sat.	206-1908	776-9361	207-7779	4217
23 Mar. (83)	5 Thur.	17 0 0	17 Mar. (77)	6 Fri.	249-8308	766-9196	259-0866	4218
23 Mar. (82)	6 Fri.	23 12 30	6 Mar. (65)	3 Tues.	116-5138	554-1544	228-2688	4219
24 Mar. (83)	1 Sun.	5 25 0	23 Feb. (54)	0 Sat.	9992-1972	401-3898	197-4399	4220
24 Mar. (83)	2 Mon.	11 37 30	14 Mar. (72)	6 Fri.	26-8868	337-3727	245-7497	4221

Vv. 3-4. In the race of Yada there was a good king named Saṅgaśana. He enabled the goddess of prosperity (Lakshmi) of the Kārṇāṭa kingdom to wear the ear-ornament (*tāṭaṅka*), permanently (i.e. did not allow her to remain without a lord reigning over it).<sup>1</sup>

V. 5. To this king was born the famous Bukka-Rāya, who destroyed his enemies with his sword.

V. 6. King Harihara was born to Bukka-Rāya; he made other kings bow down to his mandates.

V. 7. Dēva-Rāya [I], who possessed a pair of arms which crushed the hostile kings, was born to Harihara.

V. 8. From him came Vijaya-Rāya, the abode of learning.

V. 9. Dēva-Rāya [II], who appeared to be a copy of the King of Gods (Indra), was born to Vijaya-Rāya.

Vv. 10-11. He was not only as skilled in the use of the bow as Arjuna himself, but also possessed wealth to be counted by *lakhs*. His further praise.

V. 12. To Dēva-Rāya was born Mallikārjuna, who outshone his father in prowess, etc. and who was praised also as Immaḍi Dēva-Rāya.

Vv. 13-15. His praises.

Vv. 16-37. This king, Immaḍi Prandha-Bhūpati, the lover of charitable deeds, having taken his bath in the holy waters brought for that purpose, and wearing two silk cloths, garland, white *akshatas*, having come to the *dharma-sthāna* (place where charities are given) with a band of Brāhmanas of good character, in the year 1384 of the Śalivāhana Śaka (era), which corresponded with the cyclical year Chaitrabhānu, on the Pūrṇimāsī tithi of the month Vaiśākha, on the auspicious occasion of a *Vyatipāta*, made a gift of the village of Uttamachēri-Kilyūru or Uttamachēri-Kilyūru in the Chirichitāmpalli (Tiruchchirāppalli) rājya or *chavadi*, with all the eight kinds of enjoyment such as *nidhi*, *nikṣēpa*, etc., at the request of Ōnamnāṭi Sōmaya, in the presence of the god Chandramauli, for the offerings, etc. of the god Rānga-nātha of Śrīrangam, to ensure himself (thereby) victory (over his enemies), protection (from their violence) and for long life.

Half of the income from the village was required to be used for the *anantara*, etc., of the god Rānganātha, and the other half was meant for feeding sixty Vaishnavas.

Ll. 37 ff. An offering of six *parivāṇas*, together with a hundred and twenty *apūpa* cakes, in a separate *parivāṇa* was to be offered daily (to the god Rānganātha). The scale of offerings fixed for each *parivāṇa* is:—rice, 10 *mānakas*;<sup>2</sup> ghee, 3 *mānakas*; plantain fruits, 10 (in number); coconuts, 2 (in number); green gram,  $\frac{1}{2}$  *kuḍupa*, along with fruits and vegetables.

The *tāmbūla* consisted of:—50 areca nuts, 100 betel leaves, *chundam*, *ghanasāra* (*pachchai-karpūram*) of 10 *paṇas*, and 2 *paṇas* of *kastūri* (musk). The sandal must consist of 6 *paṇas* of sandal, costing 5 *paṇas*, with 5 *paṇas* in value of *śankha* (*-kēara*) and *ghanasāra*, *kastūri* (musk) of 3 *paṇas*, and of 3 *paṇas* of *hima-jala* (*paṇṇī*).

All these are to be offered to the god daily.

Ll. 47 ff. One *mahōpahāra* (a grand feeding) should be performed in the month Phālguna, and two others in the month of Dhanus; thus there should be three *mahōpahāras* in a year.

<sup>1</sup> Hindu widows do not wear any ornament after the demise of their husbands.

<sup>2</sup> *Manukalpita-mānaka* is evidently a *māna* measure as determined by Mahu; the same phrase occurs also in



TABLE

CONCURRENT YEAR.								INTERCALATED (adhika) and SUPPRESSED (kshaya) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4222	1043	1178	527	295-96	*1120-21	34 Śārvarin .	37 Śōbhana .	6 Bhādrapada .
4223	1044	1179	528	296-97	1121-22	35 Plava .	38 Krōdhin .	...
4224	1045	1180	529	297-98	1122-23	36 Subhakṛit .	39 Viśvāvasu .	...
4225	1046	1181	530	298-99	1123-24	37 Śōbhana .	40 Parābhava .	4 Āshāḍha .
4226	1047	1182	531	299-300	*1124-25	38 Krōdhin .	41 Plavaṅga .	...
4227	1048	1183	532	300-01	1125-26	39 Viśvāvasu .	42 Kīlaka .	...
4228	1049	1184	533	301-02	1126-27	40 Parābhava .	43 Saumya .	3 Jyēshṭha .
4229	1050	1185	534	302-03	1127-28	41 Plavaṅga .	44 Sādhārāṇa .	...
4230	1051	1186	535	303-04	*1128-29	42 Kīlaka .	45 Virōdhakṛit .	7 Āvina .
4231	1052	1187	536	304-05	1129-30	43 Saumya .	46 Paridhāvin .	...
4232	1053	1188	537	305-06	1130-31	44 Sādhārāṇa .	47 Pramādin .	...
4233	1054	1189	538	306-07	1131-32	45 Virōdhakṛit .	48 Ānanda .	5 Śrāvaṇa .
4234	1055	1190	539	307-08	*1132-33	46 Paridhāvin .	49 Rākshasa .	...
4235	1056	1191	540	308-09	1133-34	47 Pramādin .	50 Anala .	...
4236	1057	1192	541	309-10	1134-35	48 Ānanda .	51 Piṅgala .	3 Jyēshṭha .
4237	1058	1193	542	310-11	1135-36	49 Rākshasa .	52 Kālayukta .	...
4238	1059	1194	543	311-12	*1136-37	50 Anala .	53 Siddhārthin .	...
4239	1060	1195	544	312-13	1137-38	51 Piṅgala .	54 Raudra .	1 Chaitra .
4240	1061	1196	545	313-14	1138-39	52 Kālayukta .	55 Durmati .	...
4241	1062	1197	546	314-15	1139-40	53 Siddhārthin .	56 Dundubhi .	5 Śrāvaṇa .
4242	1063	1198	547	315-16	*1140-41	54 Raudra .	57 Rudhirōdgārin .	...
4243	1064	1199	548	316-17	1141-42	55 Durmati .	58 Raktāksha .	...
4244	1065	1200	549	317-18	1142-43	56 Dundubhi .	59 Krōdhana .	4 Āshāḍha .
4245	1066	1201	550	318-19	1143-44	57 Rudhirōdgārin .	60 Kshaya .	...
4246	1067	1202	551	319-20	*1144-45	58 Raktāksha .	1 Prabhava .	...

The articles required for each *mahāpahāra* are :—5 *khāris*<sup>1</sup> of rice, 1 *drōṇaka* of green gram, 1 *āḍhaka* of ghee, along with fruits and vegetables.

• The above are to be measured by *māna* and *āḍhaka* as fixed by Manu.

Ll. 53 ff. The water-shed kept in front of the temple should always be full of water, and every day sixty Vaishṇavas should be fed in the *Rāmānuja-kūṭa*.

V. 38. The document was engraved by *Virapa*, son of *Muddaṇ-āchārya*. He received one share in the village.

Vv. 39-43. Usual admonitory and imprecatory verses.

L. 84. The signature, *Sri Virāpakeśa*, of the king, written in Telugu-Kannada alphabet.

## NO. 29.—TWO BANAWASI INSCRIPTIONS OF THE KADAMBA KIRTIVARMA DEVA.

By LIONEL D. BARNETT.

*Banavāsi*, formerly a seat of splendid royalty, and now a decayed village, lies in the *Sirsi tāluka* of North Kanara District, in lat.  $14^{\circ} 32\frac{1}{2}'$  and long.  $75^{\circ} 4\frac{1}{2}'$ . It still contains a temple of *Madhukēśvara*, the ancient tutelary deity of the *Kādamba* princes who once bore rule there; and in that building were found the two records which are here presented, from ink-impressions which were prepared for the late Dr. Fleet, and are now in the British Museum.

### A.—OF THE REIGN OF SOMESVARA I: SAKA 990.

This fragment is contained on a slab found in the *Madhukēśvara* temple. It has been briefly described by Dr. Fleet in *Ind. Ant.*, Vol. IV, p. 206, No. 3, and translated in *Mysor. Inscr.*, p. 320, No. 170 (cf. above, Vol. VII, App., No. 173). A transcript is given in the Elliot Collection (*Royal Asiatic Society's* copy, Vol. I, fol. 106 b.). At the head of the stone are sculptures, viz., in the centre a *liṅga*; to the proper right, a cow and calf; over these, the sun; to the proper left of the *liṅga*, a lion; over the latter, the moon. The inscribed area below this is about 2 ft. 1 in. wide and 4 ft. high; but a great part of it on the lower left side has been lost.—The character is *Kanarese* of the period; the script is somewhat angular and slanting, with letters between  $\frac{1}{4}$  in. and  $\frac{1}{2}$  in.—The language is *Old Kanarese*, with the usual concluding formulæ in *Sanskrit*.

The record opens by referring itself to the reign of *Trailōkyamalla-dēva*, i.e. *Sōmēśvara* I (ll. 1-3), and then states that at the time the *Banavāsi* Twelve-thousand was under the government of the *Kādamba Mahāmaṇḍalēśvara Kirttivarma-dēva*, whose name is precluded by a long series of titles, among them being those of "lord of *Banavāsi* best of cities," "warrior for his elder brother," and "lion for *Taila*" (ll. 3-16). This last title probably refers to *Kirttivarman's* exploits in the service of his father *Taila*, of whom we shall hear more in inscription B.<sup>2</sup> Then comes the date (ll. 16-17), followed by fragments of twelve more lines of which it is impossible to make out much consecutive sense, except that they record a grant to the *kaija dēvulada dēvar* or "god of the Stone Temple." They conclude with the usual formulæ for the maintenance of the foundation, and the mention of a grant to the stone-cutter *Mallōja*.

<sup>1</sup> The text actually uses the word *pañṇaka-bhīṣudai*. The meaning of the second part of the compound is not intelligible.

<sup>2</sup> See *Dynast. Kanar. Distr.*, p. 558 ff.

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| American Oriental Society, New Haven, Connecticut, U. S. America.           | Asiatic Society of Japan, Tokio.                                       |
| Royal Society of Antiquaries, Edinburgh.                                    | North China Branch of the Royal Asiatic Society, Shanghai.             |
| Royal Society of Antiquaries, Ireland, 17, Highfield Road, Rathgar, Dublin. | Smithsonian Institution, Washington, D. C., U. S. A.                   |
| Institut de France, Paris.  | Harvard University Library, Cambridge, Boston, Massachusetts, U. S. A. |
| Conservateur du Musée Guimet, Paris.  | Vajirana National Library, Bangkok.                                    |
| Royal Colonial Institute, Northumberland Avenue, London, W.C.               | Royal Asiatic Society, Straits Branch, Singapore.                      |
|   | Public Library, New South Wales, Sydney.                               |

The date is given on ll. 16-17 as : Śaka 990,<sup>1</sup> Kilaka ; Chaitra suddha 13. This *tithi* corresponded to **Wednesday, 19 March, A.D. 1068**, when it ended about 14 h. 2 m. after mean sunrise.<sup>2</sup>

The only places mentioned are the city of **Banavāsi** (l. 6) and the **Banavāsi Twelve-thousand** (ll. 15-16).

#### TEXT OF LINES 1-17.<sup>3</sup>

- 1 ॐ Svasti Śrī-Prithvi-vallabha mahārājādhirāja paramēśvaram para-
- 2 ma-bhaṭṭārakaṁ **Chaluky-abharanam śrīma[t\*]-Trailōkyamalla-dēvar(a)**
- 3 prithvi-rājyaṁ-geyye || Svasti samasta-kuḷa-mahidhara-chakra-chakrava-
- 4 rtti-mahima-Hi[ma\*]vad-giri(ri)ndra-rumdra-si(śi)khara-taḷa-sthāpita-nij-ānvaya-sakti-\*
- 5 prabhāva-prakaṭikri(kri)ta-**Kadamba-kuḷ-āmbara-prachanda-mārttandam** para-mri(nri)-  
pati-
- 6 makuṭa-ghaṭṭita-charaṇ-āravinda-yugalam **Banavāsi-puravar-ēśvaram**
- 7 **sā(śā)khācharēndra-dhvajam** **simha-lāmcha(chha)nam** permmaṭṭi-pare-ghōṣhanam  
chaturāsi(śi)ti-
- 8 nagar-ādhibhīṣhitam(ta) - Lalāṭalōchanam(na) - jagad-vidit-āshṭādas(ś)-āśvamōdha-dikshita  
ku-
- 9 la-prasūtam satya-ratnākaranam=Ajjā-dēvi-labdha-vara-prasadam sarasij-ā-
- 10 mōdam mār-kkōla-Bhairavam samara-jaya-ghaṁṭā-ravam **Kādamba-kaṇṭhira-**
- 11 vaim=annana bantam vairi-niḥka(shka)mam **Tailana** singham sau(sā)has-  
a[t\*]jūgam
- 12 sa(śa)raṇ-āgata-vajra-pamjaram vairi-mada-bhamjanam biruda-sarvanyam<sup>5</sup>
- 13 jagad-orva-gandam kadana-mārttandam=aras-aṅka-Rudram Malegala kēsa-
- 14 ri mūvaḍi gandara jūju nām-ādi-samasta-prasa(śa)sti-sahi-
- 15 ta śrīman-mahāmaṇḍalēśvaram **Kirttivarma-dēvar-Vvanavāsi-**
- 16 **pannirchchāsīraman=ēka-ch[chh\*]atra-[ch\*]chhā[ye\*]yimdam=āḷuttam-ire | Sa(Śa)-ka-**  
varsha
- 17 990neya **Kilaka-sam[vat]sarada** Chaitra-su(su)ddha tryodasi<sup>6</sup>

#### TRANSLATION.

(Lines 1-3.) While—hail!—the favourite of Fortune and Earth, great Emperor, supreme Lord, supreme Master, embellishment of the **Chalukyas**, king **Trailōkyamalla**, was reigning over the earth :—

(Lines 3-16.) Hail ! While the **Mahāmaṇḍalēśvara Kirttivarma-dēva**, who possesses all titles of honour such as " a fiery sun in the sky of the **Kadamba** race, which is conspicuous by the puissance of the might of its lineage being established on the face of the massive summits of the great

<sup>1</sup> Owing to a misprint, this year is given in *Dynast. Kanar. Distr.*, p. 561, as 980.

<sup>2</sup> I have to thank Mr. R. Sewell for verifying my calculations.

<sup>3</sup> From the ink-impression.

<sup>4</sup> Read *-sakti-*.

<sup>5</sup> This is corrupt. It may possibly be a mistake for *sarvajñam*; the name *Sarvajña Setti* occurs in *Ep. Carn.*, Vol. VII, pt. 1, Sk. No. 316.

<sup>6</sup> Read *tryōḍaśi*.

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 Literary and Scientific Society, ditto.  
 Secretariat Library, Bombay.  
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 Anandashram Sanskrit Series, Poona City.  
 Bombay Branch of the Royal Asiatic Society, Bombay.  
 Secretariat Library, Calcutta.  
 Indian Museum, ditto.  
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 Sanskrit College Library, Tiruvallur (Tanjore).  
 Maharajah's College Library, Vizayanagaram.  
 Elphinstone College Library, Bombay.  
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St. Xavier's College, Bombay.  
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 Burdwan Raj Public Library, Burdwan.  
 Bangiya Sahitya Parishad Sabha, Calcutta.  
 Chaitanya Library, 4-1, Beadon Street, Calcutta.  
 Mahabodhi Society, Baniapooker Lane, Calcutta.  
 Scottish Churches College Library, Calcutta.  
 Hooghly College Library, Chinsurah.  
 Chittagong College Library, Chittagong.  
 Rajshahi College Library, Rajshahi.  
 Provincial Library, Dacca.  
 Varendra Research Society, Rajshahi.  
 Secretariat Library, Bihar and Orissa.  
 Patna College Library, Bankipore.  
 Agra College Library, Agra.  
 Muir Central College Library, Allahabad.  
 Panini Office, Allahabad.  
 Central Hindu College Library, Benares.  
 Queen's College Library, Benares.  
 Canning College Library, Lucknow.  
 Archaeological Museum Library, Muttra.  
 Forman Christian College Library, Lahore.  
 Government College Library, Lahore.  
 Punjab Historical Society, Lahore.  
 Punjab Public Library, Lahore.  
 Museum Library, Delhi.  
 Public Library, Delhi.  
 Peshawar Museum Library, Peshawar.  
 Secretariat Library, Peshawar.  
 Public Library, Mandalay.  
 Bernard Free Library, Rangoon.  
 Rangoon College Library, Rangoon.  
 Government Library, Shillong.  
 Secretariat Library, Shillong.  
 Government College Library, Jubbulpore.  
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 Rajputana Museum Library, Ajmer.  
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 Baroda Museum Library, Baroda.  
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 Bhuri Singh Museum Library, Chamba.  
 Indian Antiquary, c/o the British India Press, Mazgaon, Bombay.

Mount Himavat, which has the dignity of being the emperor of the whole group of central mountains; he whose two lotus-feet are rubbed by the diadems of hostile kings; lord of Banavāsi, best of cities; having the banner (with the device) of a great ape; having for crest a lion attended by the noise of *permatṭi* drums; sprung from the race which presides over eighty-four towns and is consecrated in eighteen world-famed horse-sacrifices to (the god of) the Frontal Eye [Śiva]; jewel-mine of truthfulness; receiving the grace of boons from the goddess Ajjā; fragrant as the lotus; a Bhairava for opponent arrows; attended by peals of bells for victory in battle; lion of the Kādambas; warrior for his elder brother; unencumbered by foes; lion for Taila; exalted in valiant enterprise; adamant chamber to refuge-seekers; shatterer of foemen's arrogance; a Sarvajña (?)<sup>1</sup> among men of distinction; unique man of valour in the world; sun of the fray; Rudra with the attributes of a king; lion of the Highlands; thrice gambler of warriors;<sup>2</sup> was governing the Vanavāsi Twelve-thousand under the shadow of his single parasol:—

(Lines 16-17.) On the thirteenth day of the bright fortnight of Chaitra in the cyclo year Kilaka, the 990th (year) of the Śaka era . . .

### B.—OF THE REIGN OF VIKRAMADITYA VI.

This record was found on a stone in the south-eastern corner of the temple of Madhukēśvara. A transcript of the greater part, viz. lines 1 to 37, is given in the Elliot Collection (Vol. II, fol. 302 b. of the Royal Asiatic Society's copy); and the copyist there, after coming to the end of the paragraph on l. 37, has added untruthfully that the rest of the inscription is wanting. The inscribed area of the slab is 2 ft. 4 in. wide, and comprises two compartments: the upper one, containing lines 1-7, is 8½ in. high, and the lower one, containing the rest of the record, so far as it is preserved, is 3 ft. 8 in. high. The inscription is unfortunately incomplete, breaking off about the middle.—The character is a very good Kanarese of the period: the letters in ll. 1-7 are from ½ in. to ⅞ in. high, while those of ll. 8 ff. are from ⅞ in. to ¼ in. high.—The language is Old Kanarese, except for the introductory Sanskrit stanza. For the archaic *l* is substituted *l* (*baḷikkav*, l. 8; *baḷikam*, l. 9; *negal*, ll. 11, 16, 23, 38, 47; *ēlu*, l. 12; *gaḷap*, l. 14; *ēl*, l. 14, *ēlge*, ll. 22, 40; *poḷal*, ll. 23, 43; *pēl*, l. 40; *neḷal*, l. 42), and *r* (*ṣrppatt*, l. 12); on the other hand, *l* is wrongly written for *r* in *alaḷdu* (l. 5) and *kavaḷdu* (l. 9). Initial *p* has been changed to *h* in *haḍavaḷa* (l. 38); elsewhere it is preserved, e.g. in *paḍa[va]ḷa* (l. 46). As to words of lexical interest, we may note *laṃchu*, l. 41.

The record, after the usual prelude *Namas-tuṅga*, and a verse invoking blessings upon Kirttiḡa, i.e. the Kādamba Kirtti-dēva of Hāṅgal (ll. 1-4), traces in three stanzas the descent of the Chāḷukyas from the mind-born sons of Brahman (ll. 4-7), and then devotes two verses (ll. 8-11) to the glorification of the reigning Chāḷukya monarch, Perṃāḍi-dēva or Vikramāditya-dēva [VI]. It then turns, still in verse, to the history of his feudatories, the Kādambas of Hāṅgal,<sup>3</sup> beginning with Chaṭṭuga or Chaṭṭa, who received the title *kaṭakada gōra* ("Guardian of the Highland" or "of the Camp") from king Jayasimha (the Chāḷukya Jayasimha II) for his success in repelling the Mālvās and penetrating to the river Gautama-Gaṅge (i.e. the Godāvari; cf. above, Vol. IV, p. 358) (ll. 11-16). Chaṭṭa's son was the valiant Jayasimha (ll. 16-17), who had five sons, Māvuli, Taila or Tailapa, Śāntaya-dēva, Jōki-dēva, and Vikramāṅka (ll. 17-21). Tailapa, who was extraordinarily brave, wise, and glorious, begot by Chāvunḍala-dēvi, Kirtti (the same as the Kirttivarma-dēva of the previous inscription), who is marvellously comely and famous (ll. 21-28). Next comes a prose *prastā*, giving the usual Kādamba titles of this same Kirtti-dēvarasa, and stating that at the time he was ruling the Banavāsi Twelve-thousand (ll. 28-37). It is followed by five verses (ll. 37-47), which dwell

<sup>1</sup> *Sarvajña*, meaning "omniscient," is sometimes applied to Śiva, the Jinas, and Buddha.

<sup>2</sup> A metaphor signifying that he tossed the heads of enemies about like dice.

<sup>3</sup> See *Dynast. Kumar. Distr.*, p. 558 ff.

LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	
		H. M. S.						1
23 Mar. (83)	3 Tues.	17 50 0	2 Mar. (62)	3 Tues.	9902-5202	184-6076	217-9258	4222
24 Mar. (83)	5 Thur.	0 2 30	21 Mar. (80)	2 Mon.	9937-1598	120-5911	269-2355	4223
24 Mar. (83)	6 Fri.	6 15 0	11 Mar. (70)	0 Sat.	151-4751	4-1174	241-1494	4224
24 Mar. (83)	0 Sat.	12 27 30	28 Feb. (59)	4 Wed.	27-1585	851-3523	210-3256	4225
23 Mar. (83)	1 Sun.	18 40 0	18 Mar. (78)	3 Tues.	61-7981	787-3358	261-6353	4226
24 Mar. (83)	3 Tues.	0 52 30	8 Mar. (67)	1 Sun.	276-1134	670-8622	233-5493	4227
24 Mar. (83)	4 Wed.	7 5 0	25 Feb. (56)	5 Thur.	151-7967	518-0970	202-7254	4228
24 Mar. (83)	5 Thur.	13 17 30	15 Mar. (74)	3 Tues.	9347-8045	416-7889	251-2974	4229
23 Mar. (83)	6 Fri.	19 30 0	3 Mar. (63)	0 Sat.	9723-4879	265-0237	220-4734	4230
24 Mar. (83)	1 Sun.	1 42 30	22 Mar. (81)	0 Fri.	9758-1275	201-0072	271-7832	4231
24 Mar. (83)	2 Mon.	7 55 0	12 Mar. (71)	4 Wed.	9972-4428	84-5337	243-7071	4232
24 Mar. (83)	3 Tues.	14 7 30	2 Mar. (61)	2 Mon.	186-7580	968-0600	215-6120	4233
23 Mar. (83)	4 Wed.	20 20 0	20 Mar. (80)	1 Sun.	221-3976	904-0436	266-9208	4234
24 Mar. (83)	6 Fri.	2 32 30	9 Mar. (68)	5 Thur.	97-0810	751-2784	236-0969	4235
24 Mar. (83)	0 Sat.	8 45 0	26 Feb. (57)	2 Mon.	9972-7644	598-5132	205-2730	4236
24 Mar. (83)	1 Sun.	14 57 30	17 Mar. (76)	1 Sun.	7-4040	534-4967	256-5727	4237
23 Mar. (83)	2 Mon.	21 10 0	5 Mar. (65)	5 Thur.	9883-0874	381-7315	225-7589	4238
24 Mar. (83)	4 Wed.	3 22 30	22 Feb. (53)	2 Mon.	9758-7708	228-9664	194-9350	4239
24 Mar. (83)	5 Thur.	9 35 0	13 Mar. (72)	1 Sun.	9793-4104	164-9498	246-2448	4240
24 Mar. (83)	6 Fri.	15 47 30	3 Mar. (62)	6 Fri.	7-7257	48-4763	218-1587	4241
23 Mar. (83)	0 Sat.	22 0 0	21 Mar. (81)	5 Thur.	42-3653	984-4598	269-4685	4242
24 Mar. (83)	2 Mon.	4 12 30	11 Mar. (70)	3 Tues.	256-6806	867-9862	241-3823	4243
24 Mar. (83)	3 Tues.	10 25 0	28 Feb. (59)	0 Sat.	132-3640	715-2210	210-5585	4244
24 Mar. (83)	4 Wed.	16 37 30	19 Mar. (78)	6 Fri.	167-0036	651-2045	261-8682	4245
23 Mar. (83)	5 Thur.	22 50 0	7 Mar. (67)	3 Tues.	42-6869	498-4393	231-0444	4246

on the warlike exploits of a certain **Kirtti** or **Kirttiga**, a **haḍavaḷa** or "bearer of the betel-bag" at the court of Kirtti-dēvarasa, who seems to have had a wife named **Kālikabbe** (l. 46). After these comes a series of titles of the Haḍavaḷa in prose, in the midst of which the inscription breaks off.

The only geographical names mentioned are: the **Gautama-Gaṅge** river, i.e., the **Gōḍavari**, l. 14; **Banavāsi**, l. 29; the **Banavāse Twelve-thousand**, l. 30; the **Sētu**, i.e. **Adam's Bridge**, l. 12; and **Himavat**, ll. 13, 31.

I may add here that together with the ink-impression of this record there are impressions of two small inscriptions, apparently from the same site, and in similar script, which seem to have been taken from the bases of columns or something of the kind. One of these is as follows:—

|| Haḍavaḷa **Kirttiyaṇṇa Muttābbe** ◎

This shews that the Haḍavaḷa's ordinary name was **Kirttiyaṇṇa**, and that he had a wife (or daughter?) named **Muttābbe**. The second inscription is only a fragment, consisting of the *kaṇṭha* symbol followed by the words *Sakaḷa-jagan-nutav=ene negaḷva Ku . . .*, which may perhaps refer to the **Kādamba** family.

#### TEXT.<sup>1</sup>

[Metres: v. 1, *Anuṣṭubh*; vv. 2, 9, 14, 16, *Mattēbhavikrīḍita*; vv. 3-6, 8, 11, 13, 15, 17, 18, 22, *Kanda*; vv. 7, 12, *Mahāśragdharā*; vv. 10, 20, 21, *Champakamālā*; v. 19, *Sārdūlavikrīḍita*.]

- 1 ✱ Namas=tuṅga-sīraś-chumbi-chāndra-chāmara-chāravē trailōkya-nagar-āraṁbhā-māḷa-stāmbhāya Śāmbhavē || [1\*] ◎ ||
- 2 Surā-rāj-ārchchita-pāda-padma-yugaḷaṁ Gaṅgā-samuttuṅga-bhaṁgura-kallōḷa-vilōḷa-bāḷa-haripāṁk-āḷaṁkri(kṛi)t-ō-
- 3 dyaj-jatā-bharan=urvvidhara-putrik-ākālita-dēh-ārddham Mṛḍam Kirtti-Śāṁkara-dēvaṁ ninag-ige **Kirttiga** yaśa[ā\*]-śrīyuma ja-
- 4 ya-śrīyuma || [2\*] Ka || Śrī-varan=ceṣv=udarada poṁ-dāvarey=saral-ōḷage kamāḷa-vanav=alardud=id=ēṁ bhāviśe chōḍyamo
- 5 tān=enal=āvana mukha-kamāḷav=alaḷḷa(rdu) raṁjisut-irkkū || [3\*] Ā dēvana manadol=munn=ā dēvaṁ piṅge maṁgaḷ-āvahaṁ=ō-
- 6 gedar=ddēdīpyamāna-dipty-āchchhādita-dik-obakrar=amaḷa-guṇa-gaṇa-niḷayar || [4\*] Ā Mānasabhava-saṁbhavar=i mahi-
- 7 yan=udātta-mahimar=āḷdar=ppalaram bhūṁipatiḷa-**Chalukya**-kuḷ-āmaḷa-ratna-pradīpar=a-pratirīpar || [5\*] ◎
- 8 Avarim baḷikkav=olpina tavar=aṁmina kapi nṛipāḷa-chūḍāmaṇi dāna-vinōdam vibhu vikrama-dhavaḷam **Perumādī-dēvan**=adaṭara dēva || [6\*] ◎
- 9 Anaia-kṣmāpāḷaram tarjjiśi kavaḷdu(rdu) kolak=otṭi beṭṭ=āda poṁ beṭṭane vakkum nōda poṁ-beṭṭadol=ene baḷikam **Kāṁchana**=dvīpav=a-
- 10 yt=alt=ene Jambū-dvīpav=artth-ārtthigav=anabhimat-ārtth-ārtthigaṇi sōsi vidvaj-jana-saṁstutyam yaśo-rāśiyan=odavisidam **Vikra**-
- 11 māḍitya-dēva || [7\*] Ka || Ene negaḷda **Vikramāditya**-nṛipam sukha-saṁkathā-vinōdadin=akhiḷ-āvaniyam pratipālise bhū-jana-saṁ-

<sup>1</sup> From the ink-impression.



TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4247	1068	1203	552	320-21	1145-46	59 Krōdhana .	2 Vibhava .	2 Vaiśākha .
4248	1069	1204	553	321-22	1146-47	60 Kshaya .	3 Śukla .	...
4249	1070	1205	554	322-23	1147-48	1 Prabhava .	4 Pramōda .	6 Bhādrapada .
4250	1071	1206	555	323-24	*1148-49	2 Vibhava .	5 Prajāpati .	...
4251	1072	1207	556	324-25	1149-50	3 Śukla .	6 Āngirasa .	...
4252	1073	1208	557	325-26	1150-51	4 Pramōda .	7 Śrīmukha .	5 Śrāvapa .
4253	1074	1209	558	326-27	1151-52	5 Prajāpati .	8 Bhāva .	...
4254	1075	1210	559	327-28	*1152-53	6 Āngirasa .	9 Yuvan .	...
4255	1076	1211	560	328-29	1153-54	7 Śrīmukha .	10 Dhātṛi .	3 Jyēṣṭha .
4256	1077	1212	561	329-30	1154-55	8 Bhāva .	11 Isvara .	...
4257	1078	1213	562	330-31	1155-56	9 Yuvan .	12 Bahudhānya .	...
4258	1079	1214	563	331-32	*1156-57	10 Dhātṛi .	13 Pramāthin .	1 Chaitra .
4259	1080	1215	564	332-33	1157-58	11 Isvara .	14 Vikrama .	...
4260	1081	1216	565	333-34	1158-59	12 Bahudhānya .	15 Vṛisha .	5 Śrāvapa .
4261	1082	1217	566	334-35	1159-60	13 Pramāthin .	16 Chitrabhānu .	...
4262	1083	1218	567	335-36	*1160-61	14 Vikrama .	17 Subhānu† .	...
4263	1084	1219	568	336-37	1161-62	15 Vṛisha .	19 Pārthiva .	4 Āshāḍha .
4264	1085	1220	569	337-38	1162-63	16 Chitrabhānu .	20 Vyaya .	...
4265	1086	1221	570	338-39	1163-64	17 Subhānu .	21 Sarvajit .	...
4266	1087	1222	571	339-40	*1164-65	18 Tārana .	22 Sarvadhārin .	2 Vaiśākha .
4267	1088	1223	572	340-41	1165-66	19 Pārthiva .	23 Virōdhin .	...
4268	1089	1224	573	341-42	1166-67	20 Vyaya .	24 Vikṛita .	6 Bhādrapada .
4269	1090	1225	574	342-43	1167-68	21 Sarvajit .	25 Khara .	...
4270	1091	1226	575	343-44	*1168-69	22 Sarvadhārin .	26 Nandana .	...
4271	1092	1227	576	344-45	1169-70	23 Virōdhin .	27 Vijaya .	5 Śrāvapa .

† 18 Tārana was suppressed in the north.

- 12 **stutav**=enipa sat-**Kadamb**-ānvayado || [8\*] **Vṛi** || **Dharaṇi-dēvigav**=**Iśvaranigam**=  
oged=ērpatt-ēlu **siṃhāsanaṃ** **barav**=i **dhātriyam**(n)=itta **Sētu**
- 13 **Himav-attal**=**mērey**=āg=ālda **bhā**-vara-khaṭvāṅga-nṛpālak-ādi-bhuvan-ādi(dhī)śarkka-  
lo=peṃpin=āgarav=ādani **nṛpa-Mēru** **Chaṭṭuga**-
- 14 **nṛpam** **Kādamba**-vaṃś-ōmnata || [9\*] **Kaṭakada**<sup>1</sup>-gōvan=enba **pesar**=ēn=ga|ap-  
ēl-tuṇṇu=ādod(d)=ādudō **kaṭakado**=ānta **Mājavanan**=ōḍisi **Gautama**-
- 15 **Gaṃgeyo**l=parisphuṭav=ene **niran**=ūḍi **Jayasimha**-mahisana **biḍ**[i\*]maṇḍu **dal**  
**kaṭakada** **gōvan**=enba **pesar**=ādudu **Chaṭṭa**-dhara-
- 16 **dhināthana** || [10\*] **Ant**=enisi **nega**lda || **Kaṇi** || **Ā** **nṛpa-Mēru**go **Mēruva** **sāuvino**l=  
**siṃhav**=ogeda **teḡadiṇḍ**=ogedaṇ **pīna**-bhujam **Ja**-
- 17 **yasimha**-maṇḍāntam **vairi**-gaja-ghaṭā-nirddalana || [11\*] **Ant**=enisam(si)da || **Vṛi** ||  
**Jayasimh**-ōrvviśvaraṅg=ārpp=alav=arivu **maha**-
- 18 t[t\*]vam **jasam** **puṭṭe** **tējomayar**=ayvar=ppuṭṭidar=**Mmāvuli**-nṛpa-tīlakam **Taila**-  
**bhāpālakam** **Śāntaya-dēvam** **Jōki-dēvam** **ruṇa**-rasa-rasi-
- 19 **kaṇi** **Vikramāṇkaṇi** **pratāp**-ōdayar=**ājñā**-mūrttigal=nicheṭar=adhikṛita-sapt-āṅgar=  
**andārya**-tuṅgar || [12\*] **Kaṇi** || **Ayvarumam**
- 20 **Pāṇḍavar**=ir-ayvaro **mēṇ**=maguḷe **bandu** **puṭṭidarō** **tamm**=ayvarum=iga|enutt=  
**ārayvar**=vviśmayade **nōḍi** **nṛpa**-pu-
- 21 **trakara** || [13\*] **Avar**-olage || **Vṛi** || **Himakṛi**ch-chhōkhara-vaṃśa-sambhavarol=  
**ellam** **sanda** **tann**=ārppu **tanna** **mahat**[t\*]vam **bage**-go-
- 22 **ṇḍa** **tam**=adaṭu **tam**=**ājñā**-phaḷam **tam**na **dhu**(du)rdama-**bāhā**-baḷad=ēlgo **tam**=  
**arivu** **tam**=eṇḍ=ndyamam **tam**na **kirtti** **mahi**-chakrado=o-
- 23 **ppe** **Tailapa**-nṛpam **petta**[m\*] **mah**-aiśvaryama || [14\*] **Antu** **poga**tegam  
**nega**tegam **neleyum** **taleyum**=āda || **Kaṇi** ||
- 24 **Chaṇḍa**-pratāpan=ahitara **gaṇḍam** **kali** **Taila**-bhūmipāḷamgam **Chāvunḍala-dēvi**-  
**gav**=ogedan=akhaṇḍita-bhujā-vija-
- 25 **ya**-kirtti **Kirtti**-mahisā || [15\*] **Vṛi** || **Madanam** **nōḍi** **Kadamba**-Manmathana  
**rūpam** **lajjeyim** **rūpu**-dōḡade **dal**-mey-garedam
- 26 **beḷarttu** **nṛpa**-chandr-ālōkadiṇ **kaṇḍi** **kuṇḍhi**(di)dan=attō **himaraśmi** **maṇḍalika**-  
**Dēvēndram** **gaḍ**=ēn=iṇ **guṇ**-āspadan=eṇḍ=**Ikshisal**-ādan=alla-
- 27 **ne** **sahasr**-āksham **Sahasrēkshaṇa** || [16\*] **Ka** || **Enit**-enitan=odavugum **jaḷav**=  
**anite** **sarōjātav**=ogeva **vol**=perchehuvu-
- 28 **d**=ār=enitam **kirtti**seyum **jasav**=anitano **jagad**-orvva-gaṇḍa-bhūpālakana || [17\*]  
**Va** || **Svasti** **samadhigata**-paṇcha-mahā-
- 29 **śabda**-mahāmaṇḍalēśvaram **Banavāsi-puravar**-ādhiśvaram | **Jayanti**-Ma[dh]ukēś-  
**vara**-dēva-labḍha-**vara**-prasādam | **sarasij**-āmōdam | **Tṛiyaksha**<sup>2</sup>-
- 30 **kshma**-sambhavam **rāja**-Manōbhavam | **chaturā**(ra)śīti-nagar-ādhisṭhita-Lalāṭalo-  
**chana**-Chaturbbhujā-jagad-vidit-āṣṭādaś-āśvamōḍha-dīkshā-di-
- \*31 **kaḥita**m | **jay**-āṅganā-kaṭāksha-saṃlakṣitam **Himavad**-gir-imdra-rumdra-śikhara-saṃ-  
**sthāpita**-nij-ānvaya-śakti-prabhāva-prakaṭi-
- 32 **kṛita**-guṇ-ōddāmam | **sphaṭika**-śilā-stambha-baddha-mada-gaja-mahā-mahim-ābhiraśmam  
**Mayūravarmma**-mahā-ma-
- 33 **li**(hi)pāḷa-kuḷa-bhūṣaṇam | **permmaṭṭi**-tūryya-nirghoṣhaṇam | **śākha**charēndra-  
**dhvaja**-virāja[mānam\*] **mān**-ōttuṅga-

<sup>1</sup> The second *ka* has been omitted and added above the line.

<sup>2</sup> Read *Tṛiyaksha*.

## LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	1
		H. M. S.						
24 Mar. (83)	0 Sat. .	5 2 30	24 Feb. (55)	0 Sat. .	9918-3703	345-6741	200-2205	4247
24 Mar. (83)	1 Sun. .	11 15 0	15 Mar. (74)	6 Fri. .	9953-0099	281-6576	251-4803	4248
24 Mar. (83)	2 Mon. .	17 27 30	4 Mar. (63)	3 Tues.	9828-6934	128-8925	220-7063	4249
23 Mar. (83)	3 Tues.	23 40 0	22 Mar. (82)	2 Mon. .	9863-3329	64-8760	271-2161	4250
24 Mar. (83)	5 Thur.	5 52 30	12 Mar. (71)	0 Sat. .	77-6481	948-4024	243-9300	4251
24 Mar. (83)	6 Fri. .	12 5 0	2 Mar. (61)	5 Thur.	291-9634	831-9288	215-8439	4252
24 Mar. (83)	0 Sat. .	18 17 30	21 Mar. (80)	4 Wed.	326-6030	767-9126	267-1537	4253
24 Mar. (84)	2 Mon. .	0 30 0	9 Mar. (69)	1 Sun. .	202-2864	615-1471	236-3298	4254
24 Mar. (83)	3 Tues.	6 42 30	26 Feb. (57)	5 Thur.	77-9698	462-3819	205-5071	4255
24 Mar. (83)	4 Wed.	12 55 0	16 Mar. (75)	3 Tues.	9773-9776	362-0739	254-0778	4256
24 Mar. (83)	5 Thur.	19 7 30	6 Mar. (65)	1 Sun. .	9988-2928	245-6002	225-9918	4257
24 Mar. (84)	0 Sat. .	1 20 0	23 Feb. (54)	5 Thur.	9863-9762	92-8351	195-1679	4258
24 Mar. (83)	1 Sun. .	7 32 30	13 Mar. (72)	4 Wed.	9899-0158	29-8186	246-1777	4259
24 Mar. (83)	2 Mon. .	13 45 0	3 Mar. (62)	2 Mon. .	112-9311	912-3451	218-3916	4260
24 Mar. (83)	3 Tues.	19 57 30	22 Mar. (81)	1 Sun. .	147-5707	848-3285	269-7014	4261
24 Mar. (84)	5 Thur.	2 10 0	10 Mar. (70)	5 Thur.	23-2541	695-5633	238-8774	4262
24 Mar. (83)	6 Fri. .	8 22 30	27 Feb. (58)	2 Mon. .	9899-3375	542-7982	203-0536	4263
24 Mar. (83)	0 Sat. .	14 35 0	18 Mar. (77)	1 Sun. .	9933-5672	478-7816	259-3633	4264
24 Mar. (83)	1 Sun. .	20 47 30	7 Mar. (66)	5 Thur.	9899-2005	326-0164	228-5395	4265
24 Mar. (84)	3 Tues.	3 0 0	25 Feb. (56)	3 Tues.	23-5758	209-5429	200-4534	4266
24 Mar. (83)	4 Wed.	9 12 30	15 Mar. (74)	2 Mon.	58-2354	145-5264	251-7632	4267
24 Mar. (83)	5 Thur.	15 25 0	4 Mar. (63)	6 Fri. .	9933-8988	992-7612	220-9392	4268
24 Mar. (83)	6 Fri. .	21 37 30	23 Mar. (82)	5 Thur.	9968-5284	928-7447	272-2489	4269
24 Mar. (84)	1 Sun. .	3 50 0	12 Mar. (72)	3 Tues.	182-8537	812-2712	244-1629	4270
24 Mar. (83)	2 Mon. .	10 2 30	1 Mar. (60)	0 Sat. .	58-5371	659-5059	213-3391	4271

- 34 **simha-lāmohchhanam** | datt-ārtthi-jan-āparimita-kāmcchanam | **Kadamba-kul-**  
**ābharanam samara-jaya-kāranam** | pratāpa-mārttā-  
 35 **ṇdam** | samara-prachandam | mār-kko|vara gaṇḍam | jagad-orvva-gaṇḍam |  
 nām-ā[di]-samasta-praśasti-sahitam śrīma-  
 36 **n-mahāmaṇḍalāśvarām Kirtti-dēvarasam Banavāse-pannirchohhāsīramu[ma]m**  
 dushṭa-nigrāha-śiṣṭa-prati[p]āla-  
 37 **nadīm pratipālisuttam-ire tat-pāda-padm-ōpajivi || Kām || Śrīg-adhinātham**  
 vijaya-śrīg=a[dhi]nātham himāṁśu \* \*  
 38 **la-kirtti-śrīg-adhinātham dharmm-ōdyōga-param nega|da Kirtti haḍava|a-hira ||**  
 [18\*] Vri || Ind=ettal=pariy-iṭṭu suṭṭan<sup>1</sup>=o[da ?]-  
 39 **g=ill=eṁd=a|ve kōp-āgni kāyd=ind=āram gaḍa tāmtidam Javana bāyo| sūse**  
 kan-nettarōv=ind=āram biḍe bisi[— ∪]  
 40 **n=aṇeyol=pōl=endh(nd)=asum-gopḍu<sup>2</sup> nichcham dal Kirttigan=ēlgeg=a|ki sugigum**  
 vidhvi(dvi)shṭa-bhū-maṇḍala || [19\*] Dhurado[! ∪ —]  
 41 **rchchi nilpa kanasam negav-ikk=ema kāla takku be|l-eraleya piṇḍan=aṇḍaleye**  
 mu|giḍu lomchu-golalke chumch[ut=ā]-  
 42 **varisida śārike bhōmkene ne|al=g=agid=uttudan=ikke bechcharam sariyade**  
**Kirttigamg=idiran=ūmp=asuḥḍid-ba[la]-**  
 43 [— ∪]<sup>3</sup> yuddhadol || [20\*] **Nerevuve bāyga|oind=eraḍu Kirttiga nimna bhuja-**  
 pratāpamam nere poga|alk=a[— ∪ ∪]  
 44 **virōdhi-nṛipālara [— ∪]=urvvi kūk-iṛiva kukilva suyv=usirvva(rva) penga|a**  
 bāyga|av=oindu kōṭi[—]  
 45 **nereyavu bhāra-kōṭi veras=eindaḍe baṇṇisal=āro ballavar || [21\*] Kām ||**  
 Paḍevaḍe paḍevudu maganam paḍa \* \*  
 46 **la \* na Kālikabbeya teradīm paḍa[va]la Kirttiya \* \* mam kaḍu-[ga]liyan=**  
 udāra-charitamam sa \* \*  
 47 **ya || [22\*] Va || Ant=enisi nega|da sa[ma]sta-guṇa-sampanna \* \* \* \***  
 prasa[nna ?] **Kirtti-dēva-rājya-vārdhhi-varddha[na]-**  
 48 **[su]dhākaram | bandhu-jana-vanaja \* \* \* \* m | maṇḍalika-Dēvō[mḍ]ra \* \* \***  
 ka \* \* \* \* śātadhāram | śaraṇ-āga[ta]-  
 49 **vajra-prākāram \* \* \* \* Kichaka-Vṛikōdaram | para[-nāri-sahōdaram?] ||**  
 [? pri][th]vi-narapāla-rājya-la[kshmi]-  
 50 \* \* \* \* \* dīdane gaṇḍam **Kirttidē[va] \* \* \* \* \***  
 \* \* \* \* \* in e re ka \* \* \* \*

## TRANSLATION.

(Verse 1.) Homage to Śambhu, lovely with the yak-tail fan that is the moon kissing his lofty head, who is the foundation-column of the city of the triple world.

(Verse 2.) May Mṛiḍa, the god giving blessing of glory, whose pair of lotus-feet is adored by kings of the celestials, whose mass of high hair-coil is adorned with Ganges' lofty breaking waves and the tremulous young moon, whose half-body is occupied by the Mountain's Daughter, grant fortune of fame and fortune of victory to thee, O Kirttiga.

<sup>1</sup> It is not clear whether the reading of the stone is *suffa* or *suffi*.

<sup>2</sup> See note on translation, below.

<sup>3</sup> Rao Bahadur R. Narasimhachar, who has kindly favoured me with his views upon this verse, proposes to fill the gap at the end of l. 40 by reading *idircchē* and that between ll. 42 and 43 by reading *ōbaḷam=umḥe*. In my translation below I have accepted the former suggestion, but conjecture for the second passage *ōbaḷak=āyṭu* (of *umḥe*), and translate accordingly.

TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4272	1093	1228	577	345-46	1170-71	24 Vikṛita .	28 Jaya .	...
4273	1094	1229	578	346-47	1171-72	25 Khara .	29 Manmatha .	...
4274	1095	1230	579	347-48	*1172-73	26 Nandana .	30 Durmukha .	3 Jyēshṭha .
4275	1096	1231	580	348-49	1173-74	27 Vijaya .	31 Hēmalamba .	...
4276	1097	1232	581	349-50	1174-75	28 Jaya .	32 Vilamba .	...
4277	1098	1233	582	350-51	1175-76	29 Manmatha .	33 Vikārin .	1 Chaitra .
4278	1099	1234	583	351-52	*1176-77	30 Durmukha .	34 Śārvarin .	...
4279	1100	1235	584	352-53	1177-78	31 Hēmalamba .	35 Plava .	5 Śrāvaṇa .
4280	1101	1236	585	353-54	1178-79	32 Vilamba .	36 Śubhakṛit .	...
4281	1102	1237	586	354-55	1179-80	33 Vikārin .	37 Śōbhana .	...
4282	1103	1238	587	355-56	*1180-81	34 Śārvarin .	38 Krōdhin .	4 Āshāḍha .
4283	1104	1239	588	356-57	1181-82	35 Plava .	39 Viśvāvasu .	...
4284	1105	1240	589	357-58	1182-83	36 Śubhakṛit .	40 Parābhava .	...
4285	1106	1241	590	358-59	1183-84	37 Śōbhana .	41 Plavaṅga .	2 Vaiśākha .
4286	1107	1242	591	359-60	*1184-85	38 Krōdhin .	42 Kilaka .	...
4287	1108	1243	592	360-61	1185-86	39 Viśvāvasu .	43 Saumya .	6 Bhādrapada
4288	1109	1244	593	361-62	1186-87	40 Parābhava .	44 Sādhāraṇa .	...
4289	1110	1245	594	362-63	1187-88	41 Plavaṅga .	45 Virōdhakṛit .	...
4290	1111	1246	595	363-64	*1188-89	42 Kilaka .	46 Paridhāvin .	5 Śrāvaṇa .
4291	1112	1247	596	364-65	1189-90	43 Saumya .	47 Pramādin .	...
4292	1113	1248	597	365-66	1190-91	44 Sādhāraṇa .	48 Ānanda .	...
4293	1114	1249	598	366-67	1191-92	45 Virōdhakṛit .	49 Rākshasa .	3 Jyēshṭha .
4294	1115	1250	599	367-68	*1192-93	46 Paridhāvin .	50 Anala .	...
4295	1116	1251	600	368-69	1193-94	47 Pramādin .	51 Piṅgala	{ 7 Āsvina 10 Pausa ( <i>ksh.</i> ) }
4296	1117	1252	601	369-70	1194-95	48 Ānanda .	52 Kālayukta .	

\* Tārana was suppressed in the north.

(Verse 3.) The lotus of his face is radiant in bloom, so that one may say: "What a surprising thing it is, when one considers! a lotus-bed has blossomed forth in the midst of the flower of the golden lotus (*issuing*) from the radiant belly of Fortune's Lover!"<sup>1</sup>

(Verse 4.) In the mind of that God arose first that God (*himself*), afterwards bringers of blessing, they who covered with radiant splendour the circle of space, seats of series of stainless virtues.<sup>2</sup>

(Verse 5.) Many monarchs descended from these mind-born (*Patriarchs*), exalted in majesty, stainless jewel-lamps of the **Chalukya** race,<sup>3</sup> unequalled, have ruled this earth.

(Verse 6.) After these (*there has been*) a home of excellence, a mine of valour, a crest-jewel of monarchs, one delighting in bounty, a prince lustrous-white with heroism, **Permādi-dēva**, a *dēva* [god, or king] of the brave.

(Verse 7.) Inasmuch as, after he has threatened and plundered unbending monarchs, the solid gold (*of their treasures*), when piled together, becomes solidified into a Mountain of Gold, look you!—inasmuch as thereupon Jambū-dvīpa has verily become a Golden Chersonese, alike to the suitor for riches and to the suitor who approves not riches<sup>4</sup>—king **Vikramāditya**, lauded by the learned, has created for himself and sent abroad a mass of glory.

(Verse 8.) While king **Vikramāditya**, thus renowned, was protecting the whole earth in the enjoyment of pleasant conversations, in the goodly **Kadamba** lineage which is praised by the folk of the earth—

(Verse 9.) There was king **Chattuga**, an abode of greatness, a Mōru of kings, exalted in the **Kadamba** race, among the sovereigns of the world beginning with the monarch who was a *khaṭvāṅga*-club to kings, who, being sprung from the goddess Earth and **Īvara**, have borne sway for seventy-seven reigns over this earth here with its bounds at **Sātu** (*on the south*) and there with **Himavat** (*on the north*).

(Verse 10.) Was the title "**Guardian of the Highland**"<sup>5</sup> an idle phrase, when the seven hosts<sup>6</sup> were there? When he drove into flight the **Mālava** confronting him on the Highland and drank water in conspicuous wise from the **Gautama-Gaṅge**, verily the title of "**Guardian of the Highland**" accrued to king **Chattā** in the camp of the sovereign **Jayasimha**.<sup>7</sup>

(Line 16.) (*To him*) who was thus renowned—

(Verse 11.) To this Mōru of kings, in the same wise as is born on the ridge of Mōru a lion, there was born the monarch **Jayasimha**, stout of arm, shatterer of squadrons of foemen's elephants.

(Line 17.) (*To the latter*) who is thus described—

(Verse 12.) To the lord of earth **Jayasimha**, as though power, ability, knowledge, greatness, (*and*) glory were born to him, there were born five august (*sons*), **Māvuli**, an ornament of kings, the monarch **Taila**, **Śāntaya-dēva**, **Jōki-dēva**, who delighted in the spirit of battle, (*and*) **Vikramāṅka**—endowed with present majesty, embodiments of authority, sincere, administering the seven elements (*of the state*),<sup>8</sup> lofty in generosity.

<sup>1</sup> A poetical description of the god Brahman. The figure is *vidhāvanā*, "peculiar causation."

<sup>2</sup> The meaning is that Brahman first meditated upon himself to create the cosmos (*Manu-saṁhitā* i. 12), and then gave birth to his mind-born sons the Patriarchs (*ib.*, i. 34 f.).

<sup>3</sup> Cf. above, Vol. XIII, p. 38.

<sup>4</sup> These two classes are the seekers after material and spiritual happiness.

<sup>5</sup> *Kaṭaka* may mean both "highland" and "camp."

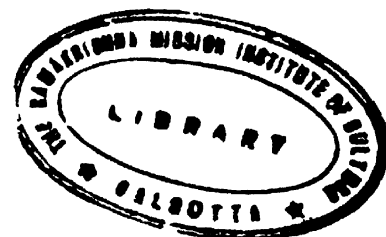
<sup>6</sup> Apparently the seven *aṅgas* or divisions of a complete army.

<sup>7</sup> On the grammatical construction of this sentence cf. Kittel's Grammar, § 361, p. 420.

<sup>8</sup> The seven *aṅgas* are the kingship, ministry, allies, territories, fortresses, treasures, and armies.

LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day of month, A.D.	Week-day.	Time of true Mōsha-samkranti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	1
		H. M. S.						
24 Mar. (83)	3 Tues.	16 15 0	20 Mar. (79)	6 Fri.	93-1767	595-4895	264-6488	4272
24 Mar. (83)	4 Wed.	22 27 30	9 Mar. (68)	3 Tues.	9968-8601	442-7243	233-8250	4273
24 Mar. (84)	6 Fri.	4 40 0	26 Feb. (57)	0 Sat.	9844-5534	289-9591	203-0010	4274
24 Mar. (83)	0 Sat.	10 52 30	16 Mar. (75)	6 Fri.	9879-1831	225-9426	254-3107	4275
24 Mar. (83)	1 Sun.	17 5 0	6 Mar. (65)	4 Wed.	93-4983	109-4690	226-2247	4276
24 Mar. (83)	2 Mon.	23 17 30	23 Feb. (54)	1 Sun.	9969-1816	956-7039	195-4008	4277
24 Mar. (84)	4 Wed.	5 30 0	13 Mar. (73)	0 Sat.	3-8212	892-6873	246-7106	4278
24 Mar. (83)	5 Thur.	11 42 30	3 Mar. (62)	5 Thur.	218-1365	776-2138	218-6245	4279
24 Mar. (83)	6 Fri.	17 55 0	22 Mar. (81)	4 Wed.	252-7762	712-1973	269-9343	4280
25 Mar. (84)	1 Sun.	0 7 30	11 Mar. (70)	1 Sun.	128-4595	559-4320	239-1103	4281
24 Mar. (84)	2 Mon.	6 20 0	28 Feb. (59)	5 Thur.	4-1429	406-6669	208-2851	4282
24 Mar. (83)	3 Tues.	12 32 30	18 Mar. (77)	4 Wed.	38-7825	342-6504	259-5962	4283
24 Mar. (83)	4 Wed.	18 45 0	7 Mar. (66)	1 Sun.	9914-4659	189-8851	228-7724	4284
25 Mar. (84)	6 Fri.	0 57 30	24 Feb. (55)	5 Thur.	9790-1493	37-1200	197-9485	4285
24 Mar. (84)	0 Sat.	7 10 0	15 Mar. (75)	5 Thur.	163-4208	9-3951	251-9960	4286
24 Mar. (83)	1 Sun.	13 22 30	4 Mar. (63)	2 Mon.	39-1042	856-6300	221-1721	4287
24 Mar. (83)	2 Mon.	19 35 0	23 Mar. (82)	1 Sun.	73-7438	792-6134	272-4618	4288
25 Mar. (84)	4 Wed.	1 47 30	13 Mar. (72)	6 Fri.	288-0591	676-1399	244-3958	4289
24 Mar. (84)	5 Thur.	8 0 0	1 Mar. (61)	3 Tues.	163-7425	523-2747	213-5720	4290
24 Mar. (83)	6 Fri.	14 12 30	19 Mar. (78)	1 Sun.	9859-7302	423-0665	262-1439	4291
24 Mar. (83)	0 Sat.	20 25 0	8 Mar. (67)	5 Thur.	9735-4336	270-3014	231-3201	4292
25 Mar. (84)	2 Mon.	2 37 30	26 Feb. (57)	3 Tues.	9949-7488	153-8278	203-2339	4293
24 Mar. (84)	3 Tues.	8 50 0	16 Mar. (76)	2 Mon.	9984-3885	89-8114	254-5436	4294
24 Mar. (83)	4 Wed.	15 2 30	6 Mar. (65)	0 Sat.	198-7037	973-3377	226-4576	4295
24 Mar. (83)	5 Thur.	21 15 0	23 Feb. (54)	4 Wed.	74-3871	820-5726	195-6337	4296



(Verse 13.) Looking with admiration at the five princes, men reflect, saying: "were the Five Pāṇḍavas (*really*) ten, or have the five of them now come back and been born (*again*)?"

(Line 21.) Among them—

(Verse 14.) King **Tailapa** attained to great majesty, so that his power, eminent amongst all the scions of the race of the moon-crowned (*Śiva*), his greatness, his striking vigour, his authoritative influence, the fulness of his invincible arm's might, his knowledge, his unique energy, his fame, were conspicuous in the circle of the earth.

(Line 23.) (*To him*) who was thus a site and head of praise and renown—

(Verse 15.) To the valiant king **Taila**, awful in majesty, gallant against foes, and to **Chāvūṇḍāla-dēvi** was born king **Kīrtti**, who has unbroken glory for the victories of his arm.

(Verse 16.) The Love-god, seeing the form of the Love-god of the **Kadambas**, has forsooth gone into hiding and lets not his form become visible. Yon moon surely, as it shines, has waned and wasted away at the sight of him who is a moon of kings. Must not the Thousand-eyed [Indra] be thousand-eyed<sup>1</sup> as he gazes (*on him*), saying: "Verily a Dēvēndra of princes! and what a seat of virtues!"?

(Verse 17.) The fame of the king who is the unique warrior of the world increases like the growth of all the lotuses that the waters produce, as all extol him to the utmost degree.<sup>2</sup>

(Lines 28-37.) Hail! When the Mahāmaṇḍalēśvara possessing the five great musical sounds, the **lord of Banavāsi** best of cities, who bears all titles of honour such as "he who receives the grace of boons from the god Madhukēśvara of Jayantī; fragrant as the lotus; scion of the (*race born of the*) Three-eyed [Śiva] and the Earth; Love-god of kings; ornament of the race of the great king **Mayūravarmān**, which presides over eighty-four towns and is consecrated in the consecratory rites of eighteen world-famed horse-sacrifices to (*the god of*) the Frontal Eye [Śiva] and the Four-armed [Viṣṇu], which is regarded with the sidelong glances of the lady Victory, which is splendid in virtues revealed by the puissance of the might of its lineage being established on the massive summits of the great Mount Himavat, which is charming by the great majesty of furious elephants tethered to crystal columns;<sup>3</sup> who is an ornament to the race (*born of*) the great king Mayūravarmma; he who is attended with the noise of *permaṭṭi* drums and (*other*) musical instruments; splendid with the **banner** (*bearing the device*) of a great ape; having for crest a lion lofty in pride; giving unlimited gold to suitors; ornament of the **Kadamba** race; cause of victory in battle; sun of majesty; terrible in the fray; gallant against adversaries; unique warrior of the world," the Mahāmaṇḍalēśvara **Kīrtti-dēvarasa**, was protecting the **Banavāse Twelve-thousand** so as to suppress the wicked and preserve the cultured:—*ons who finds sustenance at his lotus-feet*—

(Verse 18.) A lord of Fortune, a lord of the fortune of victory, a lord of the fortune of fame lustrous (?) as the moon, devoted to the exercise of religion, is the illustrious **Kīrtti**, a diamond among bearers of the betel-bag.

(Verse 19.) Saying, "Where now is there not found one who has been burned up in flight?" as the fire of his wrath flaming wrecks ruin—saying, "whom now has he hurled into Yama's mouth, so that the black gore drips down; whom now has he cast away . . . in

<sup>1</sup> For the idea cf. *Anthologia Palæa*, VII, 609.

<sup>2</sup> Apparently the accusative *jasav=anilane* is to be explained as due to the attraction of *kīrttiśeyam*.

<sup>3</sup> One is tempted to take all the adjectives from *chaturasīti* in l. 39, to °*Mahā-mahim-ābhīrāman* in l. 32 as referring to **Kīrtti-dēvarasa**, in l. 36, as is grammatically more correct. But the verse and the parallel elsewhere suggest the construction given above.



TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaṇa</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4297	1118	1253	602	370-71	1195-96	49 Rākshasa .	53 Siddhārthin .	...
4298	1119	1254	603	371-72	*1196-97	50 Anala .	54 Raudra .	5 Śrāvapa .
4299	1120	1255	604	372-73	1197-98	51 Pīngala .	55 Durmati .	...
4300	1121	1256	605	373-74	1198-99	52 Kālayukta .	56 Dundubhi .	...
4301	1122	1257	606	374-75	1199-1200	53 Siddhārthin .	57 Rudhirōdgārin .	4 Āshādha .
4302	1123	1258	607	375-76	*1200-01	54 Raudra .	58 Raktāksha .	...
4303	1124	1259	608	376-77	1201-02	55 Durmati .	59 Krōdhana .	...
4304	1125	1260	609	377-78	1202-03	56 Dundubhi .	60 Kshaya .	2 Vaiśakha .
4305	1126	1261	610	378-79	1203-04	57 Rudhirōdgārin .	1 Prabhava .	...
4306	1127	1262	611	379-80	*1204-05	58 Raktāksha .	2 Vibhava .	6 Bhādrapada .
4307	1128	1263	612	380-81	1205-06	59 Krōdhana .	3 Śukla .	...
4308	1129	1264	613	381-82	1206-07	60 Kshaya .	4 Pramōda .	...
4309	1130	1265	614	382-83	1207-08	1 Prabhava .	5 Prajāpati .	4 Āshādha .
4310	1131	1266	615	383-84	*1208-09	2 Vibhava .	6 Āngirasa .	...
4311	1132	1267	616	384-85	1209-10	3 Śukla .	7 Śrīmukha .	...
4312	1133	1268	617	385-86	1210-11	4 Pramōda .	8 Bhāva .	3 Jyēshtha .
4313	1134	1269	618	386-87	1211-12	5 Prajāpati .	9 Yuvan .	...
4314	1135	1270	619	387-88	*1212-13	6 Āngirasa .	10 Dhātṛi .	{ 7 Āsvina 11 Māgha ( <i>ksh.</i> ) 12 Phālguna }
4315	1136	1271	620	388-89	1213-14	7 Śrīmukha .	11 Īsvara .	
4316	1137	1272	621	389-90	1214-15	8 Bhāva .	12 Bahudhānya .	
4317	1138	1273	622	390-91	1215-16	9 Yuvan .	13 Pramāthin .	5 Śrāvapa .
4318	1139	1274	623	391-92	*1216-17	10 Dhātṛi .	14 Vikrama .	...
4319	1140	1275	624	392-93	1217-18	11 Īsvara .	15 Vṛisha .	...
4320	1141	1276	625	393-94	1218-19	12 Bahudhānya .	16 Chitrabhānu .	3 Jyēshtha .
4321	1142	1277	626	394-95	1219-20	13 Pramāthin .	17 Subhānu .	...

his blows, speak ?"—everlastingly indeed quaking,<sup>1</sup> the circle of foemen's lands feels terror and dread at **Kirttiga's** greatness.

(Verse 20.) Put away the dream of confronting (*him*) in battle! Aha! when (*the pursuer's*) speed of foot harasses a herd of timid deer, when terror, penetrating and overwhelming them at the plucking of a thorn-bush, drives them straightway to crowd trembling into the shadow, is (*their*) dismay equal to (*that of*) the armies of foemen who confront **Kirttiga** in battle?<sup>2</sup>

(Verse 21.) Are one or two mouths, O **Kirttiga**, able to extol fitly the majesty of thine arm? Even the ten million mouths of the abundantly shrieking, wailing, sighing, (*and heavily*) breathing women . . . of hostile kings . . . with ten million burdens, are not able (*to do so*): hence who are competent to tell (*thy*) glory?

(Verse 22: partly unintelligible owing to gaps; it refers to **Kālikabbe**, apparently the wife<sup>3</sup> of Kirtti.)

(Lines 47-50.) Illustrious as thus described; possessing all merits; gracious . . . ; a moon raising the tide of the ocean of **Kirtti-dēva's** kingdom; [a sun to] the lotuses his kinsmen; a thunderbolt to . . . of Dēvēndra-like feudatories; an adamant rampart to seekers of protection; a Vṛikōdara [Bhīma] to . . . like Kīchaka; [a brother to] others' [wives] . . .

<sup>1</sup> *Asuṃ-gonḍu*, literally meaning "taking life, slaying," must be a mistake; probably we should read *asur-gonḍu*, "feeling horror," and I have translated accordingly. There is a good deal of obscurity in these verses.

<sup>2</sup> The text of this verse is imperfect, and hence the translation in part is very uncertain (see note on text above). I follow Rao Bahadur Narasimhachar's ingenious conjecture *idivchchi* for the first lacuna, and for the last I conjecture *°baḷak-āyṭu* or *umṭu*, translating accordingly. *Chumchut* seems to be for *churchut*, and *offudan* for *offudan*.

<sup>3</sup> [It is not unlikely that Kālikabbe here referred to was the mother of Kirtti, as is indicated by the word *maganaṃ* in l. 45.—H. K. S.]

## LXI—Contd.

COMMENCEMENT OF THE									Kali.
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA SÜKLA 1 ENDS).						
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.		
13	14	17	19	20	23	24	25	1	
		H. M. S.							
25 Mar. (84)	0 Sat. .	3 27 30	14 Mar. (73)	3 Tues.	109-0267	756-5561	246-9435	4297	
24 Mar. (84)	1 Sun. .	9 40 0	2 Mar. (62)	0 Sat. .	9984-7101	603-7908	216-1196	4298	
24 Mar. (83)	2 Mon. .	15 52 30	21 Mar. (80)	6 Fri. .	19-3497	539-7744	267-4293	4299	
24 Mar. (83)	3 Tues.	22 5 0	10 Mar. (69)	3 Tues.	9895-0331	387-0092	236-6054	4300	
25 Mar. (84)	5 Thur.	4 17 30	27 Feb. (58)	0 Sat. .	9770-7165	234-2441	205-7817	4301	
24 Mar. (84)	6 Fri. .	10 30 0	17 Mar. (77)	6 Fri. .	9805-3561	170-2276	257-0914	4302	
24 Mar. (83)	0 Sat. .	16 42 30	7 Mar. (66)	4 Wed.	19-6714	53-7540	229-0054	4303	
24 Mar. (83)	1 Sun. .	22 55 0	25 Feb. (56)	2 Mon. .	233-9866	937-2804	200-9192	4304	
25 Mar. (84)	3 Tues.	5 7 30	16 Mar. (75)	1 Sun. .	268-6263	873-2640	252-2289	4305	
24 Mar. (84)	4 Wed.	11 20 0	4 Mar. (64)	5 Thur.	144-3096	720-4987	221-4051	4306	
24 Mar. (83)	5 Thur.	17 32 30	23 Mar. (82)	4 Wed.	178-9493	656-4823	272-7148	4307	
24 Mar. (83)	6 Fri. .	23 45 0	12 Mar. (71)	1 Sun. .	54-6327	503-7171	241-8910	4308	
25 Mar. (84)	1 Sun. .	5 57 30	1 Mar. (60)	5 Thur.	9930-3161	350-9519	211-0672	4309	
24 Mar. (84)	2 Mon.	12 10 0	19 Mar. (79)	4 Wed.	9964-9557	286-9354	262-3769	4310	
24 Mar. (83)	3 Tues.	18 22 30	8 Mar. (67)	1 Sun. .	9840-6390	134-1702	231-5529	4311	
25 Mar. (84)	5 Thur.	0 35 0	26 Feb. (57)	6 Fri. .	54-9543	13-6966	203-4669	4312	
25 Mar. (84)	6 Fri. .	6 47 30	17 Mar. (76)	5 Thur.	89-5939	953-6801	254-7766	4313	
24 Mar. (84)	0 Sat. .	13 0 0	6 Mar. (66)	3 Tues.	303-9092	837-2065	226-6906	4314	
24 Mar. (83)	1 Sun. .	19 12 30	24 Mar. (83)	1 Sun. .	9999-9169	736-8985	275-2825	4315	
25 Mar. (84)	3 Tues.	1 25 0	14 Mar. (73)	6 Fri. .	214-2321	620-4249	247-1765	4316	
25 Mar. (84)	4 Wed.	7 37 30	3 Mar. (62)	3 Tues.	89-9156	467-6597	215-3526	4317	
24 Mar. (84)	5 Thur.	13 50 0	20 Mar. (80)	1 Sun. .	9785-9233	367-3616	264-9245	4318	
24 Mar. (83)	6 Fri. .	20 2 30	10 Mar. (69)	6 Fri. .	0-2385	250-8780	236-8384	4319	
25 Mar. (84)	1 Sun. .	2 15 0	27 Feb. (58)	3 Tues.	9875-9219	98-1128	206-0146	4320	
25 Mar. (84)	2 Mon. .	8 27 30	18 Mar. (77)	2 Mon. .	9910-5615	34-0963	257-3243	4321	



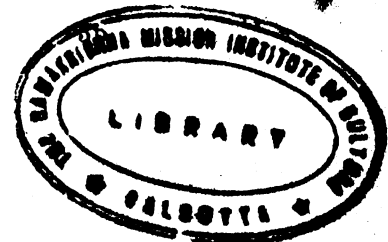
TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4322	1143	1278	627	395-96	*1220-21	14 Vikrama .	18 Tārāṇa .	...
4323	1144	1279	628	396-97	1221-22	15 Vṛisha .	19 Pārthiva .	2 Vaiśākha .
4324	1145	1280	629	397-98	1222-23	16 Chitrabhānu .	20 Vyaya .	...
4325	1146	1281	630	398-99	1223-24	17 Subhānu .	21 Sarvajit .	6 Bhādrapada
4326	1147	1282	631	399-400	*1224-25	18 Tārāṇa .	22 Sarvadhārin .	...
4327	1148	1283	632	400-01	1225-26	19 Pārthiva .	23 Virōdhin .	...
4328	1149	1284	633	401-02	1226-27	20 Vyaya .	24 Vikṛita .	4 Āshāḍha .
4329	1150	1285	634	402-03	1227-28	21 Sarvajit .	25 Khara .	...
4330	1151	1286	635	403-04	*1228-29	22 Sarvadhārin .	26 Nandana .	...
4331	1152	1287	636	404-05	1229-30	23 Virōdhin .	27 Vijaya .	3 Jyēshṭha .
4332	1153	1288	637	405-06	1230-31	24 Vikṛita .	28 Jaya .	...
4333	1154	1289	638	406-07	1231-32	25 Khara .	29 Manmatha .	7 Āsvina .
4334	1155	1290	639	407-08	*1232-33	26 Nandana .	30 Durmukha .	...
4335	1156	1291	640	408-09	1233-34	27 Vijaya .	31 Hēmalamba .	...
4336	1157	1292	641	409-10	1234-35	28 Jaya .	32 Vilamba .	5 Śrāvaṇa .
4337	1158	1293	642	410-11	1235-36	29 Manmatha .	33 Vikārin .	...
4338	1159	1294	643	411-12	*1236-37	30 Durmukha .	34 Śārvarin .	...
4339	1160	1295	644	412-13	1237-38	31 Hēmalamba .	35 Plava .	3 Jyēshṭha .
4340	1161	1296	645	413-14	1238-39	32 Vilamba .	36 Subhakṛit .	...
4341	1162	1297	646	414-15	1239-40	33 Vikārin .	37 Śōbhana .	...
4342	1163	1298	647	415-16	*1240-41	34 Śārvarin .	38 Krōdhin .	2 Vaiśākha .
4343	1164	1299	648	416-17	1241-42	35 Plava .	39 Viśvāvasu .	...
4344	1165	1300	649	417-18	1242-43	36 Subhakṛit .	40 Parābhava .	6 Bhādrapada
4345	1166	1301	650	418-19	1243-44	37 Śōbhana .	41 Plavaṅga .	...
4346	1167	1302	651	419-20	*1244-45	38 Krōdhin .	42 Kilaka .	...

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<sup>1</sup> The figures refer to pages; n. after a figure to foot-notes, the number after n. to the number of the foot-note and add. after a figure to Additions and Corrections. The following other abbreviations are used:—*ch.*—chief; *co.*—country; *di.*—district, division; *div.*—divinity; *do.*—the same, ditto; *dy.*—dynasty; *E.*—Eastern; *feud.*—feudatory; *k.*—king; *m.*—man; *mt.*—mountain; *ri.*—river; *s. a.*—see also; *sur.*—surname; *ts.*—temple *vi.*—village, town; *W.*—Western; *wo.*—woman.



LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	1
		H. M. S.						
24 Mar. (84)	3 Tues.	14 40 0	7 Mar. (67)	0 Sat.	124-8768	917-6228	229-2383	4322
24 Mar. (83)	4 Wed.	20 52 30	24 Feb. (55)	4 Wed.	0-5602	754-8576	198-4143	4323
25 Mar. (84)	6 Fri.	3 5 0	15 Mar. (74)	3 Tues.	35-1998	700-8410	249-7241	4324
25 Mar. (84)	0 Sat.	9 17 30	4 Mar. (63)	0 Sat.	9910-8832	548-0759	218-9002	4325
24 Mar. (84)	1 Sun.	15 30 0	22 Mar. (82)	6 Fri.	9945-5228	484-0594	270-2099	4326
24 Mar. (83)	2 Mon.	21 42 30	11 Mar. (70)	3 Tues.	9821-2062	331-2941	230-3861	4327
25 Mar. (84)	4 Wed.	3 55 0	1 Mar. (60)	1 Sun.	35-5215	214-8206	211-3001	4328
25 Mar. (84)	5 Thur.	10 7 30	20 Mar. (79)	0 Sat.	70-1611	150-8142	262-6098	4329
24 Mar. (84)	6 Fri.	16 20 0	8 Mar. (68)	4 Wed.	9945-8444	998-0389	231-7858	4330
24 Mar. (83)	0 Sat.	22 32 30	26 Feb. (57)	2 Mon.	160-1597	881-5653	203-6998	4331
25 Mar. (84)	2 Mon.	4 45 0	17 Mar. (76)	1 Sun.	194-7903	817-5489	255-0095	4332
25 Mar. (84)	3 Tues.	10 57 30	6 Mar. (65)	5 Thur.	70-4827	664-7836	224-1857	4333
24 Mar. (84)	4 Wed.	17 10 0	24 Mar. (84)	4 Wed.	105-1223	600-7672	275-4954	4334
24 Mar. (83)	5 Thur.	23 22 30	13 Mar. (72)	1 Sun.	9980-8057	448-0020	244-6716	4335
25 Mar. (84)	0 Sat.	5 35 0	2 Mar. (61)	5 Thur.	9856-4891	295-2368	213-8476	4336
25 Mar. (84)	1 Sun.	11 47 30	21 Mar. (80)	4 Wed.	9891-1287	231-2203	265-1574	4337
24 Mar. (84)	2 Mon.	18 0 0	9 Mar. (69)	1 Sun.	9766-8121	78-4551	234-3335	4338
25 Mar. (84)	4 Wed.	0 12 30	27 Feb. (58)	6 Fri.	9981-1274	961-9816	206-2475	4339
25 Mar. (84)	5 Thur.	6 25 0	18 Mar. (77)	5 Thur.	15-7670	897-9640	257-5572	4340
25 Mar. (84)	6 Fri.	12 37 30	8 Mar. (67)	3 Tues.	230-0823	781-4915	229-4612	4341
24 Mar. (84)	0 Sat.	18 50 0	25 Feb. (56)	0 Sat.	105-7656	628-7263	198-6473	4342
25 Mar. (84)	2 Mon.	1 2 30	15 Mar. (74)	6 Fri.	140-4053	564-7098	249-9570	4343
25 Mar. (84)	3 Tues.	7 15 0	4 Mar. (63)	3 Tues.	16-0887	411-9446	219-1331	4344
25 Mar. (84)	4 Wed.	13 27 30	23 Mar. (82)	2 Mon.	50-7283	347-9281	270-4428	4345
24 Mar. (84)	5 Thur.	19 40 0	11 Mar. (71)	6 Fri.	9926-4116	195-1629	239-6190	4346

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TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Meshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4347	1168	1303	652	420-21	1245-46	39 Viśvāvasu .	43 Saumya. .	4 Āshādha .
4348	1169	1304	653	421-22	1246-47	40 Parābhava .	44 Sādhīraṇa† .	...
4349	1170	1305	654	422-23	1247-48	41 Plavaṅga .	46 Paridhāvin .	...
4350	1171	1306	655	423-24	*1248-49	42 Kīlaka .	47 Pramādin .	3 Jyēshṭha .
4351	1172	1307	656	424-25	1249-50	43 Saumya .	48 Ananda .	...
4352	1173	1308	657	425-26	1250-51	44 Sādhāraṇa .	49 Rākshasa .	7 Āsvina .
4353	1174	1309	658	426-27	1251-52	45 Virōdhakṛit .	50 Anala . .	...
4354	1175	1310	659	427-28	*1252-53	46 Paridhāvin .	51 Piṅgala . .	...
4355	1176	1311	660	428-29	1253-54	47 Pramādin .	52 Kālayukta .	5 Śrāvapa .
4356	1177	1312	661	429-30	1254-55	48 Ānanda .	53 Siddhārthin .	...
4357	1178	1313	662	430-31	1255-56	49 Rākshasa .	54 Raudra .	...
4358	1179	1314	663	431-32	*1256-57	50 Anala . .	55 Durmati .	3 Jyēshṭha .
4359	1180	1315	664	432-33	1257-58	51 Piṅgala .	56 Dundubhi .	...
4360	1181	1316	665	433-34	1258-59	52 Kālayukṭa .	57 Rudhirōd- gārin	{ 8 Kārttika } { 10 Pausa ( <i>ksh.</i> ) }
4361	1182	1317	666	434-35	1259-60	53 Siddhārthin .	58 Raktāksha .	1 Chaitra .
4362	1183	1318	667	435-36	*1260-61	54 Raudra .	59 Krōdhana .	...
4363	1184	1319	668	436-37	1261-62	55 Durmati .	60 Kshaya .	6 Bhādrapada
4364	1185	1320	669	437-38	1262-63	56 Dundubhi .	1 Prabhava .	...
4365	1186	1321	670	438-39	1263-64	57 Rudhirōdgārin	2 Vibhava .	...
4366	1187	1322	671	439-40	*1264-65	58 Raktāksha .	3 Śukla . .	4 Āshādha . .
4367	1188	1323	672	440-41	1265-66	59 Krōdhana .	4 Pramōda .	...
4368	1189	1324	673	441-42	1266-67	60 Kshaya .	5 Prājāpati .	...
4369	1190	1325	674	442-43	1267-68	1 Prabhava .	6 Āngirasa .	3 Jyēshṭha .
4370	1191	1326	675	443-44	*1268-69	2 Vibhava .	7 Śrīmukha .	...
4371	1192	1327	676	444-45	1269-70	3 Śukla . .	8 Bhāva . .	7 Āsvina . .

† 45 Virōdhakṛit was suppressed in the north.

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LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true, Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	
		H. M. S.						1
25 Mar. (84)	0 Sat. .	1 52 30	28 Feb. (59)	3 Tues.	9802-0950	42-3977	208-7952	4347
25 Mar. (84)	1 Sun. .	8 5 0	20 Mar. (79)	3 Tues.	175-3365	14-6728	262-8427	4348
25 Mar. (84)	2 Mon. .	14 17 30	9 Mar. (68)	0 Sat. .	51-0499	861-9077	232-0187	4349
24 Mar. (84)	3 Tues.	20 30 0	27 Feb. (58)	5 Thur.	265-3651	745-4341	203-9327	4350
25 Mar. (84)	5 Thur.	2 42 30	17 Mar. (76)	4 Wed.	300-0047	681-4176	255-2424	4351
25 Mar. (84)	6 Fri. .	8 55 0	6 Mar. (65)	1 Sun. .	175-6881	528-6524	224-4186	4352
25 Mar. (84)	0 Sat. .	15 7 30	24 Mar. (83)	6 Fri. .	9871-6959	428-3444	274-9905	4353
24 Mar. (84)	1 Sun. .	21 20 0	12 Mar. (72)	3 Tues.	9747-3793	275-5791	242-1667	4354
25 Mar. (84)	3 Tues.	3 32 30	2 Mar. (61)	1 Sun. .	9961-6945	159-1055	214-0805	4355
25 Mar. (84)	4 Wed.	9 45 0	21 Mar. (80)	0 Sat. .	9996-3341	95-0891	265-3903	4356
25 Mar. (84)	5 Thur.	15 57 30	11 Mar. (70)	5 Thur.	210-6494	978-6154	237-3042	4357
24 Mar. (84)	6 Fri. .	22 10 0	28 Feb. (59)	2 Mon. .	86-3328	825-8503	206-4804	4358
25 Mar. (84)	1 Sun. .	4 22 30	18 Mar. (77)	1 Sun. .	120-9724	761-8338	257-7901	4359
25 Mar. (84)	2 Mon. .	10 35 0	7 Mar. (66)	5 Thur.	9996-6558	609-0686	226-9663	4360
25 Mar. (84)	3 Tues.	16 47 30	24 Feb. (55)	2 Mon. .	9872-3392	456-3034	196-1424	4361
24 Mar. (84)	4 Wed.	23 0 0	4 Mar. (74)	1 Sun. .	0906-9788	392-2869	247-4521	4362
25 Mar. (84)	6 Fri. .	5 12 30	3 Mar. (62)	5 Thur.	9782-6622	239-5218	216-6282	4363
25 Mar. (84)	0 Sat. .	11 25 0	22 Mar. (81)	4 Wed.	9817-3018	175-5052	267-9380	4364
25 Mar. (84)	1 Sun. .	17 37 30	12 Mar. (71)	2 Mon. .	31-6171	59-0317	239-8519	4365
24 Mar. (84)	2 Mon. .	23 50 0	29 Feb. (60)	6 Fri. .	9907-3005	906-2665	209-0281	4366
25 Mar. (84)	4 Wed.	6 2 30	20 Mar. (79)	6 Fri. .	280-5720	878-5417	263-0756	4367
25 Mar. (84)	5 Thur.	12 15 0	9 Mar. (68)	3 Tues.	156-2553	725-7764	232-2516	4368
25 Mar. (84)	6 Fri. .	18 27 30	26 Feb. (57)	0 Sat. .	31-9387	573-0112	201-4278	4369
25 Mar. (85)	1 Sun. .	0 40 0	16 Mar. (76)	6 Fri. .	66-5784	509-2864	255-4753	4370
25 Mar. (84)	2 Mon. .	6 52 30	5 Mar. (64)	3 Tues.	9942-2617	356-2295	221-9137	4371

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LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-sankrānti.	Day and month, A.D.	Week-day	a.	b.	c.	
13	14	17	19	20	23	24	25	1
		H. M. S.						
25 Mar. (84)	3 Tues.	13 5 0	24 Mar. (83)	2 Mon.	9976-9014	292-2121	273-2234	4372
25 Mar. (84)	4 Wed.	19 17 30	13 Mar. (72)	6 Fri.	9852-5848	139-4479	242-3996	4373
25 Mar. (85)	6 Fri.	1 30 0	2 Mar. (62)	4 Wed.	66-9000	22-9743	214-3134	4374
25 Mar. (84)	0 Sat.	7 42 30	21 Mar. (80)	3 Tues.	101-5396	958-9578	265-6232	4375
25 Mar. (84)	1 Sun.	13 55 0	10 Mar. (69)	0 Sat.	9977-2230	806-1926	234-7993	4376
25 Mar. (84)	2 Mon.	20 7 30	28 Feb. (59)	5 Thur.	191-5382	689-7191	206-7133	4377
25 Mar. (85)	4 Wed.	2 20 0	18 Mar. (78)	4 Wed.	226-1778	624-7025	258-0230	4378
25 Mar. (84)	5 Thur.	8 32 30	7 Mar. (66)	1 Sun.	101-8612	472-9373	227-1992	4379
25 Mar. (84)	6 Fri.	14 45 0	25 Mar. (84)	6 Fri.	9797-8690	372-6293	275-7711	4380
25 Mar. (84)	0 Sat.	20 57 30	15 Mar. (74)	4 Wed.	12-1842	256-1556	247-6750	4381
25 Mar. (85)	2 Mon.	3 10 0	3 Mar. (63)	1 Sun.	9887-8676	103-3905	216-8611	4382
25 Mar. (84)	3 Tues.	9 22 30	22 Mar. (81)	0 Sat.	9922-5072	39-3740	268-1709	4383
25 Mar. (84)	4 Wed.	15 35 0	12 Mar. (71)	5 Thur.	136-8225	922-9004	240-0848	4384
25 Mar. (84)	5 Thur.	21 47 30	1 Mar. (60)	2 Mon.	12-5059	770-1352	209-2610	4385
25 Mar. (85)	0 Sat.	4 0 0	19 Mar. (79)	1 Sun.	47-1455	706-1187	260-5706	4386
25 Mar. (84)	1 Sun.	10 12 30	8 Mar. (67)	5 Thur.	9922-8280	553-3536	229-7458	4387
25 Mar. (84)	2 Mon.	16 25 0	25 Feb. (56)	2 Mon.	9798-5122	400-5883	198-9229	4388
25 Mar. (84)	3 Tues.	22 37 30	16 Mar. (75)	1 Sun.	9833-1519	336-5718	250-1827	4389
25 Mar. (85)	5 Thur.	4 50 0	5 Mar. (65)	6 Fri.	47-4671	220-0983	222-1466	4390
25 Mar. (84)	6 Fri.	11 2 30	23 Mar. (82)	4 Wed.	9743-4749	119-7901	270-7185	4391
25 Mar. (84)	0 Sat.	17 15 0	13 Mar. (72)	2 Mon.	9957-7901	3-3166	242-6325	4392
25 Mar. (84)	1 Sun.	23 27 30	3 Mar. (62)	0 Sat.	172-1054	886-8430	214-5463	4393
25 Mar. (85)	3 Tues.	5 40 0	21 Mar. (81)	6 Fri.	206-7450	822-8266	265-8561	4394
25 Mar. (84)	4 Wed.	11 52 30	10 Mar. (69)	3 Tues.	82-4284	670-0613	235-0322	4395
25 Mar. (84)	5 Thur.	18 5 0	27 Feb. (58)	0 Sat.	9958-1118	517-2962	204-2084	4396

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TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshadi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4397	1218	1353	702	470-71	1295-96	29 Manmatha .	34 Śārvarin .	...
4398	1219	1354	703	471-72	*1296-97	30 Durmukha .	35 Plava .	12 Phālguna .
4399	1220	1355	704	472-73	1297-98	31 Hēmalamba .	36 Śubhakṛit .	...
4400	1221	1356	705	473-74	1298-99	32 Vilamba .	37 Śōbhana .	...
4401	1222	1357	706	474-75	1299-1300	33 Vikārin .	38 Krōdhin .	5 Śrāvaṇa .
4402	1223	1358	707	475-76	*1300-01	34 Śārvarin .	39 Viśvāvasu .	...
4403	1224	1359	708	476-77	1301-02	35 Plava .	40 Parābhava .	...
4404	1225	1360	709	477-78	1302-03	36 Śubhakṛit .	41 Plavaṅga .	4 Āshāḍha .
4405	1226	1361	710	478-79	1303-04	37 Śōbhana .	42 Kilaka .	...
4406	1227	1362	711	479-80	*1304-05	38 Krōdhin .	43 Saumya .	...
4407	1228	1363	712	480-81	1305-06	39 Viśvāvasu .	44 Sādhāraṇa .	2 Vaiśākha .
4408	1229	1364	713	481-82	1306-07	40 Parābhava .	45 Virōdhakṛit .	...
4409	1230	1365	714	482-83	1307-08	41 Plavaṅga .	46 Paridhāvin .	6 Bhādrapada .
4410	1231	1366	715	483-84	*1308-09	42 Kilaka .	47 Pramādin .	...
4411	1232	1367	716	484-85	1309-10	43 Saumya .	48 Ānanda .	...
4412	1233	1368	717	485-86	1310-11	44 Sādhāraṇa .	49 Rākshasa .	4 Āshāḍha .
4413	1234	1369	718	486-87	1311-12	45 Virōdhakṛit .	50 Anala .	...
4414	1235	1370	719	487-88	*1312-13	46 Paridhāvin .	51 Piṅgala .	...
4415	1236	1371	720	488-89	1313-14	47 Pramādin .	52 Kālayukta .	3 Jyēṣṭha .
4416	1237	1372	721	489-90	1314-15	48 Ānanda .	53 Siddhārthin .	...
4417	1238	1373	722	490-91	1315-16	49 Rākshasa .	54 Raudra .	12 Phālguna .
4418	1239	1374	723	491-92	*1316-17	50 Anala .	55 Durmati .	...
4419	1240	1375	724	492-93	1317-18	51 Piṅgala .	56 Dundubhi .	...
4420	1241	1376	725	493-94	1318-19	52 Kālayukta .	57 Rudhirōdgārin .	5 Śrāvaṇa .
4421	1242	1377	726	494-95	1319-20	53 Siddhārthin .	58 Raktāksha .	...



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TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4422	1243	1378	727	495-96	*1320-21	54 Raudra .	59 Krōdhana .	...
4423	1244	1379	728	496-97	1321-22	55 Durmati .	60 Kshaya .	4 Āshāḍha .
4424	1245	1380	729	497-98	1322-23	56 Dundubhi .	1 Prabhava .	...
4425	1246	1381	730	498-99	1323-24	57 Rudhirōdgārin	2 Vibhava .	...
4426	1247	1382	731	499-500	*1324-25	58 Raktāksha .	3 Śukla .	2 Vaiśākha .
4427	1248	1383	732	500-01	1325-26	59 Krōdhana .	4 Pramōda .	...
4428	1249	1384	733	501-02	1326-27	60 Kshaya .	5 Prajāpati .	6 Bhādrapada
4429	1250	1385	734	502-03	1327-28	1 Prabhava .	6 Āngirasa .	...
4430	1251	1386	735	503-04	*1328-29	2 Vibhava .	7 Śrīmukha .	...
4431	1252	1387	736	504-05	1329-30	3 Śukla .	8 Bhāva .	4 Āshāḍha .
4432	1253	1388	737	505-06	1330-31	4 Pramōda .	9 Yuvan .	...
4433	1254	1389	738	506-07	1331-32	5 Prajāpati .	10 Dhātṛi †	...
4434	1255	1390	739	507-08	*1332-33	6 Āngirasa .	12 Bahudhānya .	3 Jyēshṭha .
4435	1256	1391	740	508-09	1333-34	7 Śrīmukha .	13 Pramāthin .	...
4436	1257	1392	741	509-10	1334-35	8 Bhāva .	14 Vikrama	{ 7 Āsvina 10 Pausa ( <i>ksh.</i> ) 12 Phālguna }
4437	1258	1393	742	510-11	1335-36	9 Yuvan .	15 Vṛisha .	
4438	1259	1394	743	511-12	*1336-37	10 Dhātṛi .	16 Chitrabhānu .	
4439	1260	1395	744	512-13	1337-38	11 Īśvara .	17 Subhānu .	5 Śrāvapa .
4440	1261	1396	745	513-14	1338-39	12 Bahudhānya .	18 Tāraṇa .	...
4441	1262	1397	746	514-15	1339-40	13 Pramāthin .	19 Pārthiva .	...
4442	1263	1398	747	515-16	*1340-41	14 Vikrama .	20 Vyaya .	4 Āshāḍha .
4443	1264	1399	748	516-17	1341-42	15 Vṛisha .	21 Sarvajit .	...
4444	1265	1400	749	517-18	1342-43	16 Chitrabhānu .	22 Sarvadhārin .	...
4445	1266	1401	750	518-19	1343-44	17 Subhānu .	23 Virōdhin .	2 Vaiśākha .
4446	1267	1402	751	519-20	*1344-45	18 Tāraṇa .	24 Vikṛita .	...

† 11 Īśvara was suppressed in the north.

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## LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēṣa-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	1
		H. M. S.						
25 Mar. (85)	3 Tues.	11 30 0	11 Mar. (71)	3 Tues.	8-6015	614-3462	237-8628	4422
25 Mar. (84)	4 Wed.	17 42 30	28 Feb. (59)	0 Sat.	9884-2849	461-5811	206-9889	4423
25 Mar. (84)	5 Thur.	23 55 0	19 Mar. (78)	6 Fri.	9918-9245	397-5645	258-2986	4424
26 Mar. (85)	0 Sat.	6 7 30	8 Mar. (67)	3 Tues.	9794-6078	244-7993	227-4748	4425
25 Mar. (85)	1 Sun.	12 20 0	26 Feb. (57)	1 Sun.	8-9231	128-3258	199-3887	4426
25 Mar. (84)	2 Mon.	18 32 30	16 Mar. (75)	0 Sat.	43-5628	64-3092	250-6985	4427
26 Mar. (85)	4 Wed.	0 45 0	5 Mar. (64)	4 Wed.	9919-2462	911-5441	219-8746	4428
26 Mar. (85)	5 Thur.	6 57 30	24 Mar. (83)	3 Tues.	9953-8858	847-5276	271-1843	4429
25 Mar. (85)	6 Fri.	13 10 0	13 Mar. (73)	1 Sun.	168-3010	731-0530	243-0982	4430
25 Mar. (84)	0 Sat.	19 22 30	2 Mar. (61)	5 Thur.	43-8845	578-2878	212-2744	4431
26 Mar. (85)	2 Mon.	1 35 0	21 Mar. (80)	4 Wed.	78-5241	514-2714	263-5841	4432
26 Mar. (85)	3 Tues.	7 47 30	10 Mar. (69)	1 Sun.	9954-2074	361-5061	232-7602	4433
25 Mar. (85)	4 Wed.	14 0 0	27 Feb. (58)	5 Thur.	9829-8908	208-7409	202-1364	4434
25 Mar. (84)	5 Thur.	20 12 30	17 Mar. (76)	4 Wed.	9864-5305	144-7245	253-2461	4435
26 Mar. (85)	0 Sat.	2 25 0	7 Mar. (66)	2 Mon.	78-8457	28-2509	225-1000	4436
26 Mar. (85)	1 Sun.	8 37 30	26 Mar. (85)	1 Sun.	113-4853	964-2344	276-4697	4437
25 Mar. (85)	2 Mon.	14 50 0	14 Mar. (74)	5 Thur.	9989-1687	811-4702	245-6459	4438
25 Mar. (84)	3 Tues.	21 2 30	4 Mar. (63)	3 Tues.	203-4840	694-9967	217-5598	4439
26 Mar. (85)	5 Thur.	3 15 0	23 Mar. (82)	2 Mon.	238-1236	629-9801	268-8696	4440
26 Mar. (85)	6 Fri.	9 27 30	12 Mar. (71)	6 Fri.	113-8081	478-2149	238-0457	4441
25 Mar. (85)	0 Sat.	15 40 0	29 Feb. (60)	3 Tues.	9989-4904	325-4498	207-2219	4442
25 Mar. (84)	1 Sun.	21 52 30	19 Mar. (78)	2 Mon.	24-1200	261-4333	259-5315	4443
26 Mar. (85)	3 Tues.	4 5 0	8 Mar. (67)	6 Fri.	9899-8134	108-6680	227-7077	4444
26 Mar. (85)	4 Wed.	10 17 30	26 Feb. (57)	4 Wed.	114-1286	992-1945	199-6316	4445
25 Mar. (85)	5 Thur.	16 30 0	16 Mar. (76)	3 Tues.	148-7682	928-1780	250-9314	4446

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TABLE

CONCURRENT YEAR								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).	
Kali.	Saka.	Chaitradī Vikrama.	Mēśādi solar year in Bengal.	Kollam.	A.D.	JUVIAN SAMVATSARA.			
						Southern system.	Northern system.		
1	2	3	3a	4	5	6	7	8.	
4447	1268	1403	752	520.21	1345.46	19 Pārthiva .	25 Khara .	6 Bhādrapada .	
4448	1269	1404	753	521.22	1346.47	20 Vyaya .	26 Nandana .	...	
4449	1270	1405	754	522.23	1347.48	21 Sarvajit .	27 Vijaya .	...	
4450	1271	1406	755	523.24	*1348.49	22 Sarvadharin .	28 Jaya .	4 Āshādha .	
4451	1272	1407	756	524.25	1349.50	23 Virōdhin .	29 Manmatha .	...	
4452	1273	1408	757	525.26	1350.51	24 Vikrita .	30 Durmukha .	...	
4453	1274	1409	758	526.27	1351.52	25 Khara .	31 Hēmalamba .	2 Vaiśākha .	
4454	1275	1410	759	527.28	*1352.53	26 Nandana .	32 Vilamba .	...	
4455	1276	1411	760	528.29	1353.54	27 Vijaya .	33 Vikārin .	{ 7 Āsvina 11 Māgha (adh.) 12 Phālguna }	
4456	1277	1412	761	529.30	1354.55	28 Jaya .	34 Sarvarin .		...
4457	1278	1413	762	530.31	1355.56	29 Manmatha .	35 Bhava .		...
4458	1279	1414	763	531.32	*1356.57	30 Durmukha .	36 Subhakarit .	5 Śrāvana .	
4459	1280	1415	764	532.33	1357.58	31 Hēmalamba .	37 Sōbhana .	...	
4460	1281	1416	765	533.34	1358.59	32 Vilamba .	38 Krōdhin .	...	
4461	1282	1417	766	534.35	1359.60	33 Vikārin .	39 Vīśvāvasu .	3 Jyēṣṭha .	
4462	1283	1418	767	535.36	*1360.61	34 Sarvarin .	40 Paribhava .	...	
4463	1284	1419	768	536.37	1361.62	35 Bhava .	41 Bhavaga .	...	
4464	1285	1420	769	537.38	1362.63	36 Subhakarit .	42 Kilaka .	2 Vaiśākha .	
4465	1286	1421	770	538.39	1363.64	37 Sōbhana .	43 Saunhya .	...	
4466	1287	1422	771	539.40	*1364.65	38 Krōdhin .	44 Sādhārana .	6 Bhādrapada .	
4467	1288	1423	772	540.41	1365.66	39 Vīśvāvasu .	45 Virōdhakarit .	...	
4468	1289	1424	773	541.42	1366.67	40 Paribhava .	46 Paridharin .	...	
4469	1290	1425	774	542.43	1367.68	41 Bhavaga .	47 Prapādin .	4 Āshādha .	
4470	1291	1426	775	543.44	*1368.69	42 Kilaka .	48 Ānanda .	...	
4471	1292	1427	776	544.45	1369.70	43 Saunhya .	49 Bhakha .	...	

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LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	1
		H. M. S.						
25 Mar. (84)	6 Fri. .	23 42 30	5 Mar. (84)	0 Sat. .	24-4516	775-4128	220-1075	4447
26 Mar. (85)	1 Sun. .	4 55 0	24 Mar. (83)	6 Fri. .	59-6912	711-3963	271-4172	4448
26 Mar. (85)	2 Mon.	11 7 30	13 Mar. (72)	2 Tues	9934-7747	558-6312	240-5933	4449
25 Mar. (85)	3 Tues.	17 20 0	1 Mar. (81)	0 Sat. .	9810-4580	405-8660	209-7695	4450
25 Mar. (84)	4 Wed.	23 32 30	20 Mar. (79)	6 Fri. .	9845-6976	341-8494	261-0792	4451
26 Mar. (85)	6 Fri. .	5 45 0	9 Mar. (68)	3 Tues.	9720-7810	189-0843	230-2654	4452
26 Mar. (85)	0 Sat. .	11 57 30	27 Feb. (58)	1 Sun. .	9935-6962	72-6107	202-1693	4453
25 Mar. (85)	1 Sun.	18 10 0	17 Mar. (77)	0 Sat. .	9969-7359	8-5942	253-4790	4454
26 Mar. (85)	3 Tues.	0 22 30	7 Mar. (66)	5 Thurs.	184-6511	892-1206	225-3929	4455
26 Mar. (85)	4 Wed.	6 35 0	26 Mar. (85)	4 Wed.	218-6907	828-1042	276-7926	4456
26 Mar. (85)	5 Thurs.	12 47 30	15 Mar. (74)	1 Sun. .	94-3741	670-3389	245-6798	4457
25 Mar. (85)	6 Fri. .	18 9 0	3 Mar. (63)	5 Thurs.	9970-6575	522-5737	215-4549	4458
26 Mar. (85)	1 Sun. .	1 12 30	22 Mar. (81)	4 Wed.	4-6971	458-5573	266-3647	4459
26 Mar. (85)	2 Mon.	7 25 0	11 Mar. (70)	1 Sun. .	9880-3905	395-7921	235-5408	4460
26 Mar. (85)	3 Tues.	13 37 30	28 Feb. (59)	5 Thurs.	9756-0639	153-0209	204-7170	4461
25 Mar. (85)	4 Wed.	19 59 0	18 Mar. (78)	4 Wed.	9790-7035	89-0104	256-0266	4462
26 Mar. (85)	6 Fri. .	3 2 30	8 Mar. (67)	2 Mon. .	5-6139	972-5368	227-9408	4463
26 Mar. (85)	0 Sat. .	8 15 0	26 Feb. (57)	0 Sat. .	219-3338	856-0633	199-8545	4464
26 Mar. (85)	1 Sun. .	14 27 30	17 Mar. (76)	6 Fri. .	253-9787	792-0468	251-1642	4465
25 Mar. (85)	2 Mon. .	20 49 0	5 Mar. (65)	3 Tues.	129-6571	639-2816	220-3404	4466
26 Mar. (85)	4 Wed.	2 32 30	24 Mar. (83)	2 Mon. .	164-2987	575-2651	271-6591	4467
26 Mar. (85)	5 Thurs.	9 5 0	13 Mar. (72)	6 Fri. .	39-9804	422-4999	241-1190	4468
26 Mar. (85)	6 Fri. .	15 17 30	2 Mar. (61)	3 Tues.	9915-6885	269-7347	210-0924	4469
25 Mar. (85)	0 Sat. .	21 30 0	20 Mar. (80)	2 Mon. .	9950-2931	295-7182	261-3121	4470
26 Mar. (85)	2 Mon. .	3 42 30	9 Mar. (69)	6 Fri. .	9825-9965	52-9839	230-4893	4471

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TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4472	1293	1428	777	545-46	1370-71	44 Sādhāraṇa .	50 Anala . . .	3 Jyēshṭha .
4473	1294	1429	778	546-47	1371-72	45 Virōdhakṛit .	51 Piṅgala .	...
4474	1295	1430	779	547-48	*1372-73	46 Paridhāvin .	52 Kālayukta .	6 Bhādrapada
4475	1296	1431	780	548-49	1373-74	47 Pramādin .	53 Siddhārthin .	...
4476	1297	1432	781	549-50	1374-75	48 Ānanda .	54 Raudra .	...
4477	1298	1433	782	550-51	1375-76	49 Rākshasa .	55 Durmati .	5 Śrāvaṇa .
4478	1299	1434	783	551-52	*1376-77	50 Anala . .	56 Dundubhi .	...
4479	1300	1435	784	552-53	1377-78	51 Piṅgala .	57 Rudhirōdgārin	...
4480	1301	1436	785	553-54	1378-79	52 Kālayukta .	58 Raktāksha .	3 Jyēshṭha .
4481	1302	1437	786	554-55	1379-80	53 Siddhārthin .	59 Krōdhana .	...
4482	1303	1438	787	555-56	*1380-81	54 Raudra .	60 Kshaya .	...
4483	1304	1439	788	556-57	1381-82	55 Durmati .	1 Prabhava .	2 Vaiśākha .
4484	1305	1440	789	557-58	1382-83	56 Dundubhi .	2 Vibhava .	...
4485	1306	1441	790	558-59	1383-84	57 Rudhirōdgārin	3 Śukla . .	6 Bhādrapada
4486	1307	1442	791	559-60	*1384-85	58 Raktāksha .	4 Pramōda .	...
4487	1308	1443	792	560-61	1385-86	59 Krōdhana .	5 Prajāpati .	...
4488	1309	1444	793	561-62	1386-87	60 Kshaya .	6 Āngirasa .	4 Āshāḍha .
4489	1310	1445	794	562-63	1387-88	1 Prabhava .	7 Śrīmukha .	...
4490	1311	1446	795	563-64	*1388-89	2 Vibhava .	8 Bhāva . .	...
4491	1312	1447	796	564-65	1389-90	3 Śukla . .	9 Yuvan . .	3 Jyēshṭha .
4492	1313	1448	797	565-66	1390-91	4 Pramōda .	10 Dhātṛi . .	...
4493	1314	1449	798	566-67	1391-92	5 Prajāpati .	11 Īvara . .	7 Āvina . .
4494	1315	1450	799	567-68	*1392-93	6 Āngirasa .	12 Bahudhānya .	...
4495	1316	1451	800	568-69	1393-94	7 Śrīmukha .	13 Pramāthin .	...
4496	1317	1452	801	569-70	1394-95	8 Bhāva . .	14 Vikrama .	5 Śrāvaṇa .

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LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA SÜKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	
		H. M. S.						1
26 Mar. (85)	3 Tues.	9 55 0	27 Feb. (58)	4 Wed.	40-3017	936-4794	202-4022	4472
26 Mar. (85)	4 Wed.	16 7 30	18 Mar. (77)	3 Tues.	74-9414	872-4630	253-7119	4473
25 Mar. (85)	5 Thur.	22 20 0	7 Mar. (67)	1 Sun. .	289-2566	755-9894	225-6258	4474
26 Mar. (85)	0 Sat. .	4 32 30	25 Mar. (84)	6 Fri. .	9985-2614	055-6813	274-1977	4475
26 Mar. (85)	1 Sun. .	10 45 0	15 Mar. (74)	4 Wed.	199-5796	539-2077	246-1117	4476
26 Mar. (85)	2 Mon.	16 57 30	4 Mar. (63)	1 Sun. .	75-2629	386-4425	215-2878	4477
25 Mar. (85)	3 Tues.	23 10 0	21 Mar. (81)	6 Fri. .	9771-2707	286-1344	263-8598	4478
26 Mar. (85)	5 Thur.	5 22 30	11 Mar. (70)	4 Wed.	9985-5859	169-6608	235-7737	4479
26 Mar. (85)	6 Fri. .	11 35 0	28 Feb. (59)	1 Sun. .	9861-2694	16-8957	204-9490	4480
26 Mar. (85)	0 Sat. .	17 47 30	19 Mar. (78)	0 Sat. .	9895-9080	952-8791	256-2595	4481
26 Mar. (86)	2 Mon. .	0 0 0	8 Mar. (68)	5 Thur.	110-2242	836-4055	228-1735	4482
26 Mar. (85)	3 Tues.	6 12 30	25 Feb. (56)	2 Mon. .	9985-9076	683-6404	197-6414	4483
26 Mar. (85)	4 Wed. .	12 25 0	16 Mar. (75)	1 Sun. .	20-5472	619-6238	248-6594	4484
26 Mar. (85)	5 Thur.	18 37 30	5 Mar. (64)	5 Thur.	9896-2306	466-8587	217-8355	4485
26 Mar. (86)	0 Sat. .	0 50 0	23 Mar. (83)	4 Wed.	9930-8702	402-8422	269-1452	4486
26 Mar. (85)	1 Sun. .	7 2 30	12 Mar. (71)	1 Sun. .	9806-5536	250-0770	238-3213	4487
26 Mar. (85)	2 Mon. .	13 15 0	2 Mar. (61)	6 Fri. .	20-8689	133-6034	210-2353	4488
26 Mar. (85)	3 Tues.	19 27 30	21 Mar. (80)	5 Thur.	55-5085	69-5869	261-5430	4489
26 Mar. (86)	5 Thur.	1 40 0	9 Mar. (69)	2 Mon. .	9931-1919	916-8218	230-7212	4490
26 Mar. (85)	6 Fri. .	7 52 30	27 Feb. (58)	0 Sat. .	145-5071	800-3481	202-6351	4491
26 Mar. (85)	0 Sat. .	14 5 0	18 Mar. (77)	6 Fri. .	180-1467	736-0401	251-2070	4492
26 Mar. (85)	1 Sun. .	20 17 30	7 Mar. (66)	3 Tues.	55-8301	583-5665	223-1209	4493
26 Mar. (86)	3 Tues.	2 30 0	25 Mar. (85)	2 Mon.	90-4698	519-5501	274-4306	4494
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TABLE

CONCURRENT YEAR.								INTERCALATED (adhika and SUPPRESSED (kṛhaya) LUNAR MONTHS (true).
Kali.	Saka.	Chaitradī Vikrama.	Mēshādī solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4497	1318	1453	809	570-71	1395-96	9 Yuvaṇ . .	15 Vṛiṣha . .	..
4498	1319	1454	803	571-72	*1396-97	10 Dhātṛi . .	16 Chitrabhānu .	..
4499	1320	1455	804	572-73	1397-98	11 Iśvara . .	17 Subhānu . .	3 Jyēṣṭha .
4500	1321	1456	805	573-74	1398-99	12 Bahudhānya .	18 Tāraka . .	..
4501	1322	1457	806	574-75	1399-1400	13 Pramāthina .	19 Pārthiva . .	{ 8 Kārtika 10 Pausa (kṛh.) }
4502	1323	1458	807	575-76	*1400-01	14 Vikrama . .	20 Vyaya . .	1 Chaitra .
4503	1324	1459	808	576-77	1401-02	15 Vṛiṣha . .	21 Sarvajit . .	..
4504	1325	1460	809	577-78	1402-03	16 Chitrabhānu .	22 Sarvadhārin .	6 Bhādrapada
4505	1326	1461	810	578-79	1403-04	17 Subhānu . .	23 Virōdhina . .	..
4506	1327	1462	811	579-80	*1404-05	18 Tāraka . .	24 Vikṛita . .	..
4507	1328	1463	812	580-81	1405-06	19 Pārthiva . .	25 Khara . .	4 Āshāḍha .
4508	1329	1464	813	581-82	1406-07	20 Vyaya . .	26 Nandana . .	..
4509	1330	1465	814	582-83	1407-08	21 Sarvajit . .	27 Vijaya . .	..
4510	1331	1466	815	583-84	*1408-09	22 Sarvadhārin .	28 Jaya . .	3 Jyēṣṭha .
4511	1332	1467	816	584-85	1409-10	23 Virōdhina . .	29 Manmatha . .	..
4512	1333	1468	817	585-86	1410-11	24 Vikṛita . .	30 Durmukha . .	7 Āśvina .
4513	1334	1469	818	586-87	1411-12	25 Khara . .	31 Hēmalamba .	..
4514	1335	1470	819	587-88	*1412-13	26 Nandana . .	32 Vilamba . .	..
4515	1336	1471	820	588-89	1413-14	27 Vijaya . .	33 Vikārin . .	4 Āshāḍha .
4516	1337	1472	821	589-90	1414-15	28 Jaya . .	34 Sarvarin . .	..
4517	1338	1473	822	590-91	1415-16	29 Manmatha . .	35 Plava . .	..
4518	1339	1474	823	591-92	*1416-17	30 Durmukha . .	36 Subhakti† . .	3 Jyēṣṭha .
4519	1340	1475	824	592-93	1417-18	31 Hēmalamba .	38 Krōdhan . .	..
4520	1341	1476	825	593-94	1418-19	32 Vilamba . .	39 Bhārgava . .	{ 8 Kārtika 11 Māgha (kṛh.) 12 Bhālguna }
4521	1342	1477	826	594-95	1419-20	33 Vikārin . .	40 Parabhava .	..

† 37 Sūbhana was suppressed in the north.

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LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNAR-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Māsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	1
		H. M. S.						
26 Mar. (85)	6 Fri.	21 7 30	22 Mar. (81)	2 Mon.	9876-4762	150-0032	264-0927	4497
26 Mar. (86)	1 Sun.	3 20 0	11 Mar. (71)	0 Sat.	90-7914	32-5206	236-0066	4498
26 Mar. (85)	2 Mon.	9 32 30	28 Feb. (59)	4 Wed.	9966-4748	880-7644	205-1827	4499
26 Mar. (85)	3 Tues.	16 45 0	19 Mar. (78)	3 Tues.	1-1144	816-7479	256-4924	4500
26 Mar. (85)	4 Wed.	21 57 30	9 Mar. (68)	1 Sun.	215-4296	700-2743	228-4064	4501
26 Mar. (86)	6 Fri.	4 10 0	26 Feb. (57)	5 Thur.	91-1130	547-5092	197-5825	4502
26 Mar. (85)	0 Sat.	10 22 30	16 Mar. (75)	4 Wed.	125-7526	483-4926	248-8923	4503
26 Mar. (85)	1 Sun.	16 35 0	5 Mar. (64)	1 Sun.	1-4360	330-7275	218-0683	4504
26 Mar. (85)	2 Mon.	22 47 30	24 Mar. (63)	0 Sat.	36-0756	266-7110	269-3781	4505
26 Mar. (86)	4 Wed.	5 0 0	12 Mar. (72)	4 Wed.	9911-7596	113-9457	238-5842	4506
26 Mar. (85)	5 Thur.	11 12 30	2 Mar. (61)	2 Mon.	126-0743	987-4722	210-4682	4507
26 Mar. (85)	6 Fri.	17 25 0	21 Mar. (80)	1 Sun.	180-7139	933-4557	281-7779	4508
26 Mar. (85)	0 Sat.	23 37 30	10 Mar. (69)	5 Thur.	36-8973	736-6906	230-9541	4509
26 Mar. (86)	2 Mon.	5 50 0	28 Feb. (59)	3 Tues.	250-7125	604-2169	202-8680	4510
26 Mar. (85)	3 Tues.	12 2 30	17 Mar. (76)	1 Sun.	9946-7263	563-9089	251-4268	4511
26 Mar. (86)	4 Wed.	18 15 0	6 Mar. (65)	5 Thur.	9822-4037	411-1437	220-6160	4512
27 Mar. (86)	6 Fri.	0 27 30	25 Mar. (84)	4 Wed.	9857-0433	347-1271	271-9257	4513
26 Mar. (86)	0 Sat.	6 40 0	13 Mar. (73)	1 Sun.	9732-7267	194-3620	241-1019	4514
26 Mar. (85)	1 Sun.	12 52 30	3 Mar. (62)	6 Fri.	9947-0419	77-8864	213-0161	4515
26 Mar. (85)	2 Mon.	19 5 0	22 Mar. (81)	5 Thur.	9981-6615	13-8720	264-3266	4516
27 Mar. (86)	4 Wed.	1 17 30	12 Mar. (71)	3 Tues.	195-9966	897-3983	236-2364	4517
26 Mar. (86)	5 Thur.	7 30 0	29 Feb. (60)	0 Sat.	71-6662	744-6332	205-4156	4518
26 Mar. (85)	6 Fri.	13 42 30	19 Mar. (78)	6 Fri.	100-3197	666-6187	256-7263	4519
26 Mar. (86)	0 Sat.	19 55 0	8 Mar. (67)	3 Tues.	9982-0062	527-8514	225-9615	4520
27 Mar. (86)	2 Mon.	2 7 30	27 Mar. (86)	2 Mon.	16-8427	366-8356	277-2112	4521

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TABLE

CONCURRENT YEAR.								INTERCALATED (adhika) and SUPPRESSED (kshaya) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4522	1343	1478	827	595-96	*1420-21	34 Śārvarin .	41 <i>Plavaṅga</i> .	...
4523	1344	1479	828	596-97	1421-22	35 Plava .	42 Kilaka .	5 Śrāvapa .
4524	1345	1480	829	597-98	1422-23	36 Subhakṛit .	43 Saumya .	...
4525	1346	1481	830	598-99	1423-24	37 Śōbhana .	44 Sādhāraṇa .	...
4526	1347	1482	831	599-600	*1424-25	38 Krōdhin .	45 Virōdhakṛit .	4 Āshāḍha .
4527	1348	1483	832	600-01	1425-26	39 Viśvāvasu .	46 Paridhāvin .	...
4528	1349	1484	833	601-02	1426-27	40 Parābhava .	47 Pramādin .	...
4529	1350	1485	834	602-03	1427-28	41 Plavaṅga .	48 Ānanda .	2 Vaiśākha .
4530	1351	1486	835	603-04	*1428-29	42 Kilaka .	49 Rākshasa .	...
4531	1352	1487	836	604-05	1429-30	43 Saumya .	50 Anala .	6 Bhādrapada
4532	1353	1488	837	605-06	1430-31	44 Sādhāraṇa .	51 Piṅgala .	...
4533	1354	1489	838	606-07	1431-32	45 Virōdhakṛit .	52 Kālayukta .	...
4534	1355	1490	839	607-08	*1432-33	46 Paridhāvin .	53 Siddhārthin .	4 Āshāḍha
4535	1356	1491	840	608-09	1433-34	47 Pramādin .	54 Raudra .	...
4536	1357	1492	841	609-10	1434-35	48 Ānanda .	55 Durmati .	...
4537	1358	1493	842	610-11	1435-36	49 Rākshasa .	56 Dundubhi .	3 Jyēṣṭha .
4538	1359	1494	843	611-12	*1436-37	50 Anala .	57 Rudhirōdgārin	...
4539	1360	1495	844	612-13	1437-38	51 Piṅgala .	58 Raktāksha .	8 Kārttika .
4540	1361	1496	845	613-14	1438-39	52 Kālayukta .	59 Krōdhana .	...
4541	1362	1497	846	614-15	1439-40	53 Siddhārthin .	60 Kshaya .	...
4542	1363	1498	847	615-16	*1440-41	54 Raudra .	1 Prabhava .	5 Śrāvapa .
4543	1364	1499	848	616-17	1441-42	55 Durmati .	2 Vibhava .	...
4544	1365	1500	849	617-18	1442-43	56 Dundubhi .	3 Śukla .	...
4545	1366	1501	850	618-19	1443-44	57 Rudhirōdgārin	4 Pramōda .	4 Āshāḍha .
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## LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	
		H. M. S.						i
26 Mar. (86)	3 Tues.	8 20 0	15 Mar. (75)	6 Fri. .	9892-3261	311-0698	246-3894	4522
26 Mar. (85)	4 Wed.	14 32 30	4 Mar. (63)	3 Tues.	9768-0095	157-3046	215-5634	4523
26 Mar. (85)	5 Thur.	20 45 0	23 Mar. (82)	2 Mon. .	9802-6491	94-2881	266-8732	4524
27 Mar. (86)	0 Sat. .	2 57 30	13 Mar. (72)	0 Sat. .	16-9644	977-8145	238-7871	4525
26 Mar. (86)	1 Sun. .	9 10 0	2 Mar. (62)	5 Thur.	231-2797	861-3410	210-7011	4526
26 Mar. (85)	2 Mon.	15 22 30	21 Mar. (80)	4 Wed.	265-9193	796-3244	262-0208	4527
26 Mar. (85)	3 Tues.	21 35 0	10 Mar. (69)	1 Sun. .	141-6027	644-5593	231-1870	4528
27 Mar. (86)	5 Thur.	3 47 30	27 Feb. (58)	5 Thur.	17-2860	491-7941	200-3631	4529
26 Mar. (86)	6 Fri. .	10 0 0	17 Mar. (77)	4 Wed.	51-9257	427-7776	251-6727	4530
26 Mar. (85)	0 Sat. .	16 12 30	6 Mar. (65)	1 Sun. .	9927-6091	275-0124	220-8489	4531
26 Mar. (85)	1 Sun. .	22 25 0	25 Mar. (84)	0 Sat. .	9962-2487	210-9959	272-1586	4532
27 Mar. (86)	3 Tues.	4 37 30	14 Mar. (73)	4 Wed.	9837-1321	58-2307	241-3348	4533
26 Mar. (86)	4 Wed.	10 50 0	3 Mar. (63)	2 Mon. .	52-2473	941-7571	213-2487	4534
26 Mar. (85)	5 Thur.	17 2 30	22 Mar. (81)	1 Sun. .	86-8870	877-7407	264-5585	4535
26 Mar. (85)	6 Fri. .	23 15 0	12 Mar. (71)	6 Fri. .	301-2022	761-2671	236-4723	4536
27 Mar. (86)	1 Sun. .	5 27 30	1 Mar. (60)	3 Tues.	176-8856	608-5019	205-6485	4537
26 Mar. (86)	2 Mon. .	11 40 0	18 Mar. (78)	1 Sun. .	9872-8933	508-1938	254-2204	4538
26 Mar. (85)	3 Tues.	17 52 30	8 Mar. (67)	6 Fri. .	87-2086	391-7202	226-1344	4539
27 Mar. (86)	5 Thur.	0 5 0	26 Mar. (85)	4 Wed.	9783-2164	291-4121	274-7063	4540
27 Mar. (86)	6 Fri. .	6 17 30	16 Mar. (75)	2 Mon. .	9997-5316	174-9385	246-6203	4541
26 Mar. (86)	0 Sat. .	12 30 0	4 Mar. (64)	6 Fri. .	9873-2150	22-1734	216-7964	4542
26 Mar. (85)	1 Sun. .	18 42 30	23 Mar. (82)	5 Thur.	9907-8546	958-1569	267-1061	4543
27 Mar. (86)	3 Tues.	0 55 0	13 Mar. (72)	3 Tues.	122-4699	841-6932	239-0200	4544
27 Mar. (86)	4 Wed.	7 7 30	2 Mar. (61)	0 Sat. .	9997-8533	688-9181	208-1962	4545
26 Mar. (86)	5 Thur.	13 20 0	20 Mar. (80)	6 Fri. .	32-4928	624-9016	259-5059	4546

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TABLE

CONCURRENT YEAR.								INTERCALATED (adhika) and SUPPRESSED (kshaya) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4547	1368	1503	852	620-21	1445-46	59 Krōdhana .	6 Āṅgīrasa .	...
4548	1369	1504	853	621-22	1446-47	60 Kshaya .	7 Śrīmukha .	2 Vaiśākha
4549	1370	1505	854	622-23	1447-48	1 Prabhava .	8 Bhāva .	...
4550	1371	1506	855	623-24	*1448-49	2 Vibhava .	9 Yuva .	6 Bhādrapada
4551	1372	1507	856	624-25	1449-50	3 Sukla .	10 Dhātṛi .	...
4552	1373	1508	857	625-26	1450-51	4 Pramōda .	11 Śvara .	...
4553	1374	1509	858	626-27	1451-52	5 Prajāpati .	12 Bahudhānya .	4 Āshāḍha
4554	1375	1510	859	627-28	*1452-53	6 Āṅgīrasa .	13 Pramāthin .	...
4555	1376	1511	860	628-29	1453-54	7 Śrīmukha .	14 Vikrama .	...
4556	1377	1512	861	629-30	1454-55	8 Bhāva .	15 Vṛisha .	3 Jyēṣṭha .
4557	1378	1513	862	630-31	1455-56	9 Yuva .	16 Chitrabhānu .	...
4558	1379	1514	863	631-32	*1456-57	10 Dhātṛi .	17 Subhānu .	8 Kārttika 10 Pausa (ksh.) 12 Phālguna
4559	1380	1515	864	632-33	1457-58	11 Śvara .	18 Tārā .	
4560	1381	1516	865	633-34	1458-59	12 Bahudhānya .	19 Pārthiva .	
4561	1382	1517	866	634-35	1459-60	13 Pramāthin .	20 Vyaya .	5 Śrāvaṇa .
4562	1383	1518	867	635-36	*1460-61	14 Vikrama .	21 Sarvajit .	...
4563	1384	1519	868	636-37	1461-62	15 Vṛisha .	22 Sarvadhārin .	...
4564	1385	1520	869	637-38	1462-63	16 Chitrabhānu .	23 Virōdhin .	4 Āshāḍha .
4565	1386	1521	870	638-39	*1463-64	17 Subhānu .	24 Vikṛita .	...
4566	1387	1522	871	639-40	*1464-65	18 Tārā .	25 Khara .	...
4567	1388	1523	872	640-41	1465-66	19 Pārthiva .	26 Nandana .	2 Vaiśākha .
4568	1389	1524	873	641-42	1466-67	20 Vyaya .	27 Vijaya .	...
4569	1390	1525	874	642-43	1467-68	21 Sarvajit .	28 Jaya .	6 Bhādrapada
4570	1391	1526	875	643-44	*1468-69	22 Sarvadhārin .	29 Manmatha .	...
4571	1392	1527	876	644-45	1469-70	23 Virōdhin .	30 Durmukha .	...

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COMMENCEMENT OF THE									Kali.
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).						
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.		
13	14	17	19	20	23	24	25		
		H. M. S.						1	
26 Mar. (85)	6 Fri.	19 32 30	9 Mar. (68)	3 Tues.	0908-1762	472-1363	228-6821	4547	
27 Mar. (86)	1 Sun.	1 45 0	26 Feb. (57)	0 Sat.	9784-8596	319-3712	197-8582	4548	
27 Mar. (86)	2 Mon.	7 57 30	17 Mar. (76)	6 Fri.	9818-4993	255-3547	249-1679	4549	
26 Mar. (86)	3 Tues.	14 10 0	6 Mar. (66)	4 Wed.	32-8145	138-8812	221-0818	4550	
26 Mar. (85)	4 Wed.	20 22 30	25 Mar. (84)	3 Tues.	67-4541	74-8646	272-3915	4551	
27 Mar. (86)	6 Fri.	2 35 0	14 Mar. (73)	0 Sat.	9943-1375	922-0995	241-5677	4552	
27 Mar. (86)	0 Sat.	8 47 30	4 Mar. (63)	5 Thur.	157-4527	805-6259	213-4816	4553	
26 Mar. (86)	1 Sun.	15 0 0	22 Mar. (82)	4 Wed.	102-0924	741-6094	264-7914	4554	
26 Mar. (85)	2 Mon.	21 12 30	11 Mar. (70)	1 Sun.	67-7757	588-8442	233-9674	4555	
27 Mar. (86)	4 Wed.	3 25 0	28 Feb. (59)	5 Thur.	9943-4591	436-0790	203-1436	4556	
27 Mar. (86)	5 Thur.	9 37 30	19 Mar. (78)	4 Wed.	9978-0087	372-0625	254-4533	4557	
26 Mar. (86)	6 Fri.	15 50 0	7 Mar. (67)	1 Sun.	9853-7821	219-2973	223-6295	4558	
26 Mar. (85)	0 Sat.	22 2 30	26 Mar. (85)	0 Sat.	9888-4218	155-2809	274-9392	4559	
27 Mar. (86)	2 Mon.	4 15 0	16 Mar. (75)	5 Thur.	102-7370	38-8073	246-8532	4560	
27 Mar. (86)	3 Tues.	10 27 30	5 Mar. (64)	2 Mon.	9978-4204	885-0421	216-0293	4561	
26 Mar. (86)	4 Wed.	16 40 0	23 Mar. (83)	1 Sun.	13-0600	822-0256	267-3390	4562	
26 Mar. (85)	5 Thur.	22 52 30	13 Mar. (72)	6 Fri.	227-3753	705-5520	239-2529	4563	
27 Mar. (86)	0 Sat.	5 5 0	2 Mar. (61)	3 Tues.	103-0587	552-7868	208-4291	4564	
27 Mar. (86)	1 Sun.	11 17 30	21 Mar. (80)	2 Mon.	127-6983	488-7703	259-7388	4565	
26 Mar. (86)	2 Mon.	17 30 0	9 Mar. (69)	6 Fri.	13-3817	336-0051	228-9150	4566	
26 Mar. (85)	3 Tues.	23 42 30	26 Feb. (57)	3 Tues.	9889-0651	183-2400	198-0911	4567	
27 Mar. (86)	5 Thur.	5 55 0	17 Mar. (76)	2 Mon.	9923-7047	119-2214	249-4008	4568	
27 Mar. (86)	6 Fri.	12 7 30	7 Mar. (66)	0 Sat.	138-0199	2-7499	221-3147	4569	
26 Mar. (86)	0 Sat.	18 20 0	25 Mar. (85)	6 Fri.	172-6596	938-7334	272-6244	4570	
27 Mar. (86)	2 Mon.	0 32 30	14 Mar. (73)	3 Tues.	48-3430	785-9682	241-8006	4571	

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TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Śaka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4572	1393	1528	877	645-46	1470-71	24 Vikṛita .	31 Hēmalamba .	4 Āshādha .
4573	1394	1529	878	646-47	1471-72	25 Khara .	32 Vilamba .	...
4574	1395	1530	879	647-48	*1472-73	26 Nandana .	33 Vikārin .	...
4575	1396	1531	880	648-49	1473-74	27 Vijaya .	34 Śārvarin .	3 Jyēṣṭha .
4576	1397	1532	881	649-50	1474-75	28 Jaya .	35 Plava .	...
4577	1398	1533	882	650-51	1475-76	29 Manmatha .	36 Subhakṛit .	{ 7 Āsvina 10 Pausa ( <i>ksh.</i> ) 12 Phālguna }
4578	1399	1534	883	651-52	*1476-77	30 Durmukha .	37 Śōbhana .	
4579	1400	1535	884	652-53	1477-78	31 Hēmalamba .	38 Krōdhin .	
4580	1401	1536	885	653-54	1478-79	32 Vilamba .	39 Viśvāvasu .	5 Śrāvapa .
4581	1402	1537	886	654-55	1479-80	33 Vikārin .	40 Parābhava .	...
4582	1403	1538	887	655-56	*1480-81	34 Śārvarin .	41 Plavaṅga .	...
4583	1404	1539	888	656-57	1481-82	35 Plava .	42 Kṛlaka .	4 Āshādha .
4584	1405	1540	889	657-58	1482-83	36 Subhakṛit .	43 Saumya .	...
4585	1406	1541	890	658-59	1483-84	37 Śōbhana .	44 Sādhāraṇa .	...
4586	1407	1542	891	659-60	*1484-85	38 Krōdhin .	45 Virōdhakṛit .	1 Chaitra .
4587	1408	1543	892	660-61	1485-86	39 Viśvāvasu .	46 Paridhāvin .	...
4588	1409	1544	893	661-62	1486-87	40 Parābhava .	47 Pramādin .	6 Bhādrapada
4589	1410	1545	894	662-63	1487-88	41 Plavaṅga .	48 Ānanda .	...
4590	1411	1546	895	663-64	*1488-89	42 Kṛlaka .	49 Rākṣasa .	...
4591	1412	1547	896	664-65	1489-90	43 Saumya .	50 Anala .	4 Āshādha .
4592	1413	1548	897	665-66	1490-91	44 Sādhāraṇa .	51 Piṅgala .	...
4593	1414	1549	898	666-67	1491-92	45 Virōdhakṛit .	52 Kālayukta .	...
4594	1415	1550	899	667-68	*1492-93	46 Paridhāvin .	53 Siddhārthin .	2 Vaiśākha .
4595	1416	1551	900	668-69	1493-94	47 Pramādin .	54 Raudra .	...
4596	1417	1552	901	669-70	1494-95	48 Ānanda .	55 Durmati .	6 Bhādrapada'

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LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	
		H. M. S.						1
27 Mar. (86)	3 Tues.	6 45 0	4 Mar. (63)	1 Sun. .	262-6582	669-4946	213-7145	4572
27 Mar. (86)	4 Wed.	12 57 30	22 Mar. (81)	6 Fri. .	9958-6660	569-1865	262-2865	4573
26 Mar. (86)	5 Thur.	19 10 0	10 Mar. (70)	3 Tues.	9838-3494	416-4214	231-4626	4574
27 Mar. (86)	0 Sat. .	1 22 30	28 Feb. (59)	1 Sun. .	48-6646	299-9477	203-3765	4575
27 Mar. (86)	1 Sun. .	7 35 0	18 Mar. (77)	6 Fri. .	9744-6724	199-6397	251-9484	4576
27 Mar. (86)	2 Mon. .	13 47 30	8 Mar. (67)	4 Wed.	9958-9875	83-1061	223-8624	4577
26 Mar. (86)	3 Tues.	20 0 0	26 Mar. (86)	3 Tues.	9993-6272	19-1496	275-1721	4578
27 Mar. (86)	5 Thur.	2 12 30	16 Mar. (75)	1 Sun. .	207-9424	902-6760	247-0861	4579
27 Mar. (86)	6 Fri. .	8 25 0	5 Mar. (64)	5 Thur.	83-6259	749-9109	216-2622	4580
27 Mar. (86)	0 Sat. .	14 37 30	24 Mar. (83)	4 Wed.	118-2654	685-8943	267-5720	4581
26 Mar. (86)	1 Sun. .	20 50 0	12 Mar. (72)	1 Sun. .	9993-9488	533-1291	236-7480	4582
27 Mar. (86)	3 Tues.	3 2 30	1 Mar. (60)	5 Thur.	9869-6322	380-3640	205-9242	4583
27 Mar. (86)	4 Wed.	9 15 0	20 Mar. (79)	4 Wed.	9904-2718	316-3474	257-2339	4584
27 Mar. (86)	5 Thur.	15 27 30	9 Mar. (68)	1 Sun. .	9779-9552	163-5822	226-4101	4585
26 Mar. (86)	6 Fri. .	21 40 0	27 Feb. (58)	6 Fri. .	9994-2705	47-1087	198-3239	4586
27 Mar. (86)	1 Sun. .	3 52 30	17 Mar. (76)	5 Thur.	28-9101	983-0922	249-6337	4587
27 Mar. (86)	2 Mon. .	10 5 0	7 Mar. (66)	3 Tues.	243-2253	866-6186	221-5476	4588
27 Mar. (86)	3 Tues.	16 17 30	26 Mar. (85)	2 Mon. .	277-8650	802-6021	272-8573	4589
26 Mar. (86)	4 Wed.	22 30 0	14 Mar. (74)	6 Fri. .	153-5484	649-8370	242-0335	4590
27 Mar. (86)	6 Fri. .	4 42 30	3 Mar. (62)	3 Tues.	29-2318	497-0717	211-2097	4591
27 Mar. (86)	0 Sat. .	10 55 0	22 Mar. (81)	2 Mon. .	63-8714	433-0553	262-5194	4592
27 Mar. (86)	1 Sun. .	17 7 30	11 Mar. (70)	6 Fri. .	9939-5548	280-2901	231-6955	4593
26 Mar. (86)	2 Mon. .	23 20 0	28 Feb. (59)	3 Tues.	9815-2381	127-5249	200-8716	4594
27 Mar. (86)	4 Wed.	5 32 30	18 Mar. (77)	2 Mon. .	9849-8778	63-5084	252-1813	4595
27 <sup>o</sup> Mar. (86)	5 Thur.	11 45 0	8 Mar. (67)	0 Sat. .	64-1930	947-0348	224-0653	4596

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TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4597	1418	1553	902	670-71	1495-96	49 Rākshasa .	56 Dundubhi .	...
4598	1419	1554	903	671-72	*1496-97	50 Anāla . .	57 Rudhirōdgārin	...
4599	1420	1555	904	672-73	1497-98	51 Piṅgala .	58 Raktāksha .	5 Śrāvapa .
4600	1421	1556	905	673-74	1498-99	52 Kālayukta .	59 Krōdhana .	...
4601	1422	1557	906	674-75	1499-1500	53 Siddhārthin .	60 Kshaya .	...
4602	1423	1558	907	675-76	*1500-01	54 Raudra .	1 Prabhava .	3 Jyēshtha .
4603	1424	1559	908	676-77	1501-02	55 Durmati .	2 Vibhava† .	...
4604	1425	1560	909	677-78	1502-03	56 Dundubhi .	4 Pramōda .	...
4605	1426	1561	910	678-79	1503-04	57 Rudhirōdgārin	5 Prajāpati .	2 Vaiśakha .
4606	1427	1562	911	679-80	*1504-05	58 Raktāksha .	6 Āngirasa .	...
4607	1428	1563	912	680-81	1505-06	59 Krōdhana .	7 Śrīmukha .	6 Bhādrapada
4608	1429	1564	913	681-82	1506-07	60 Kshaya .	8 Bhāva . .	...
4609	1430	1565	914	682-83	1507-08	1 Prabhava .	9 Yuvan . .	...
4610	1431	1566	915	683-84	*1508-09	2 Vibhava .	10 Dhātri . .	4 Āshādha .
4611	1432	1567	916	684-85	1509-10	3 Śukla . .	11 Īvara . .	...
4612	1433	1568	917	685-86	1510-11	4 Pramōda .	12 Bahudhānya .	...
4613	1434	1569	918	686-87	1511-12	5 Prajāpati .	13 Pramāthin .	2 Vaiśakha .
4614	1435	1570	919	687-88	*1512-13	6 Āngirasa .	14 Vikrama .	...
4615	1436	1571	920	688-89	1513-14	7 Śrīmukha .	15 Vṛisha . .	6 Bhādrapada
4616	1437	1572	921	689-90	1514-15	8 Bhāva . .	16 Chitrabhānu .	...
4617	1438	1573	922	690-91	1515-16	9 Yuvan . .	17 Subhānu .	...
4618	1439	1574	923	691-92	*1516-17	10 Dhātri . .	18 Tārāpa . .	5 Śrāvapa .
4619	1440	1575	924	692-93	1517-18	11 Īvara . .	19 Pārthiva .	...
4620	1441	1576	925	693-94	1518-19	12 Bahudhānya .	20 Vyaya . .	...
4621	1442	1577	926	694-95	1519-20	13 Pramāthin .	21 Sarvajit .	3 Jyēshtha . .

† No. 3 Śukla was suppressed in the north.

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## LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF DAY ON WHICH CHAITRA ŚUKLA 1 ENDED).					Kali.
Day and month, A.D.	Week-day.	Time of true Māsha-samkrānti,	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	1
		H. M. S.						
27 Mar. (86)	6 Fri.	17 57 30	27 Mar. (86)	6 Fri.	98-8327	883-0184	275-4050	4597
27 Mar. (87)	1 Sun.	0 10 0	16 Mar. (76)	4 Wed.	313-1479	766-5447	247-3190	4598
27 Mar. (86)	2 Mon.	6 22 30	5 Mar. (64)	1 Sun.	188-8313	613-7796	216-4950	4599
27 Mar. (86)	3 Tues.	12 35 0	23 Mar. (82)	6 Fri.	9884-8390	513-4715	265-0670	4600
27 Mar. (86)	4 Wed.	18 47 30	12 Mar. (71)	3 Tues.	9760-5224	360-7063	234-2431	4601
27 Mar. (87)	6 Fri.	1 0 0	1 Mar. (61)	1 Sun.	9974-8377	244-2328	206-1571	4602
27 Mar. (86)	0 Sat.	7 12 30	20 Mar. (70)	0 Sat.	9-4773	180-2162	257-4668	4603
27 Mar. (86)	1 Sun.	13 25 0	9 Mar. (68)	4 Wed.	9885-1607	27-4510	226-6429	4604
27 Mar. (86)	2 Mon.	19 37 30	27 Feb. (58)	2 Mon.	99-4760	910-9775	198-5568	4605
27 Mar. (87)	4 Wed.	1 50 0	17 Mar. (77)	1 Sun.	134-1156	846-9609	249-8666	4606
27 Mar. (86)	5 Thur.	8 2 30	6 Mar. (65)	5 Thur.	9-7990	694-1958	219-0427	4607
27 Mar. (86)	6 Fri.	14 15 0	25 Mar. (84)	4 Wed.	44-4386	630-1793	270-3525	4608
27 Mar. (86)	0 Sat.	20 27 30	14 Mar. (73)	1 Sun.	9920-1220	477-4141	239-5286	4609
27 Mar. (87)	2 Mon.	2 40 0	2 Mar. (62)	5 Thur.	9795-8054	324-6489	208-7048	4610
27 Mar. (86)	3 Tues.	8 52 30	21 Mar. (80)	4 Wed.	9830-4450	260-6324	260-0144	4611
27 Mar. (86)	4 Wed.	15 5 0	11 Mar. (70)	2 Mon.	44-7603	144-1589	231-9284	4612
27 Mar. (86)	5 Thur.	21 17 30	28 Feb. (59)	6 Fri.	9920-4426	991-3936	201-1045	4613
27 Mar. (87)	0 Sat.	3 30 0	18 Mar. (78)	5 Thur.	9955-0933	927-3772	252-4142	4614
27 Mar. (86)	1 Sun.	9 42 30	8 Mar. (67)	3 Tues.	169-3984	810-9036	224-3282	4615
27 Mar. (86)	2 Mon.	15 55 0	27 Mar. (86)	2 Mon.	202-0381	746-8872	275-6379	4616
27 Mar. (86)	3 Tues.	22 7 30	16 Mar. (75)	6 Fri.	79-7215	594-1219	244-8140	4617
27 Mar. (87)	5 Thur.	4 20 0	4 Mar. (64)	3 Tues.	9955-4049	441-3567	213-9901	4618
27 Mar. (86)	6 Fri.	10 32 30	23 Mar. (82)	2 Mon.	9990-0445	327-3403	265-2999	4619
27 Mar. (86)	0 Sat.	16 45 0	12 Mar. (71)	6 Fri.	9865-7278	224-5750	234-4760	4620
27 Mar. (86)	1 Sun.	22 57 30	2 Mar. (61)	4 Wed.	80-0431	108-1015	206-3800	4621

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TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Śaka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4622	1443	1578	927	695-96	*1520-21	14 Vikrama .	22 Sarvadhārin .	...
4623	1444	1579	928	696-97	1521-22	15 Vṛisha .	23 Virōdhin .	...
4624	1445	1580	929	697-98	1522-23	16 Chitrabhānu .	24 Vikṛita .	2 Vaiśākha .
4625	1446	1581	930	698-99	1523-24	17 Subhānu .	25 Khara .	...
4626	1447	1582	931	699-700	*1524-25	18 Tārāṇa .	26 Nandana .	6 Bhādrapada
4627	1448	1583	932	700-01	1525-26	19 Pārthiva .	27 Vijaya .	...
4628	1449	1584	933	701-02	1526-27	20 Vyaya .	28 Jaya .	...
4629	1450	1585	934	702-03	1527-28	21 Sarvajit .	29 Manmatha .	4 Āshādha .
4630	1451	1586	935	703-04	*1528-29	22 Sarvadhārin .	30 Durmukha .	...
4631	1452	1587	936	704-05	1529-30	23 Virōdhin .	31 Hēmalamba .	...
4632	1453	1588	937	705-06	1530-31	24 Vikṛita .	32 Vilamba .	2 Vaiśākha .
4633	1454	1589	938	706-07	1531-32	25 Khara .	33 Vikārin .	...
4634	1455	1590	939	707-08	*1532-33	26 Nandana .	34 Śārvarin .	6 Bhādrapada
4635	1456	1591	940	708-09	1533-34	27 Vijaya .	35 Plava .	...
4636	1457	1592	941	709-10	1534-35	28 Jaya .	36 Subhakṛit .	...
4637	1458	1593	942	710-11	1535-36	29 Manmatha .	37 Śōbhana .	5 Śrāvāṇa .
4638	1459	1594	943	711-12	*1536-37	30 Durmukha .	38 Krōdhin .	...
4639	1460	1595	944	712-13	1537-38	31 Hēmalamba .	39 Viśvāvasu .	...
4640	1461	1596	945	713-14	1538-39	32 Vilamba .	40 Parābhava .	3 Jyēshṭha .
4641	1462	1597	946	714-15	1539-40	33 Vikārin .	41 Plavaṅga .	...
4642	1463	1598	947	715-16	*1540-41	34 Śārvarin .	42 Kilaka .	{ 7 Āsvina* 10 Pausa ( <i>kṣā.</i> ) }
4643	1464	1599	948	716-17	1541-42	35 Plava .	43 Saumya .	1 Chaitra .
4644	1465	1600	949	717-18	1542-43	36 Subhakṛit .	44 Sādhārāṇa .	...
4645	1466	1601	950	718-19	1543-44	37 Śōbhana .	45 Virōdhakṛit .	6 Bhādrapada
4646	1467	1602	951	719-20	*1544-45	38 Krōdhin .	46 Paridhāvin .	...

\* A close case. At the Tulā-samkrānti the moon had been waxing for less than 2 minutes.

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LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	1
		H. M. S.						
27 Mar. (87)	3 Tues.	5 10 0	20 Mar. (80)	3 Tues.	114-6827	44-0850	257-6997	4622
27 Mar. (86)	4 Wed.	11 22 30	9 Mar. (68)	0 Sat.	9990-3661	891-3198	226-8758	4623
27 Mar. (86)	5 Thur.	17 35 0	27 Feb. (58)	5 Thur.	204-6814	774-8462	198-7897	4624
27 Mar. (86)	6 Fri.	23 47 30	18 Mar. (77)	4 Wed.	239-3210	710-8297	250-0995	4625
27 Mar. (87)	1 Sun.	6 0 0	6 Mar. (66)	1 Sun.	115-0044	558-0646	219-2756	4626
27 Mar. (86)	2 Mon.	12 12 30	25 Mar. (84)	0 Sat.	149-6440	494-0480	270-5854	4627
27 Mar. (86)	3 Tues.	18 25 0	14 Mar. (73)	4 Wed.	25-3274	341-2828	239-7615	4628
28 Mar. (87)	5 Thur.	0 37 30	3 Mar. (62)	1 Sun.	9901-0108	188-5177	208-9577	4629
27 Mar. (87)	6 Fri.	6 50 0	21 Mar. (81)	0 Sat.	9935-6504	124-5011	160-2473	4630
27 Mar. (86)	0 Sat.	13 2 30	11 Mar. (70)	5 Thur.	149-9657	8-0276	232-1613	4631
27 Mar. (86)	1 Sun.	19 15 0	28 Feb. (59)	2 Mon.	25-6490	855-2624	201-3374	4632
28 Mar. (87)	3 Tues.	1 27 30	19 Mar. (78)	1 Sun.	60-2887	791-2459	252-6471	4633
27 Mar. (87)	4 Wed.	7 40 0	8 Mar. (68)	6 Fri.	274-6009	674-7723	224-5641	4634
27 Mar. (86)	5 Thur.	13 52 30	26 Mar. (85)	4 Wed.	9970-6117	574-4642	273-1330	4635
27 Mar. (86)	6 Fri.	20 5 0	15 Mar. (74)	1 Sun.	9846-2851	421-6991	242-3091	4636
28 Mar. (87)	1 Sun.	2 17 30	4 Mar. (63)	5 Thur.	9721-9785	268-9338	211-4853	4637
27 Mar. (87)	2 Mon.	8 30 0	22 Mar. (82)	4 Wed.	9756-6181	204-9174	262-7950	4638
27 Mar. (86)	3 Tues.	14 42 30	12 Mar. (71)	2 Mon.	9970-9333	88-4438	234-7089	4639
27 Mar. (86)	4 Wed.	20 55 0	2 Mar. (61)	0 Sat.	185-2486	971-8702	206-6229	4640
28 Mar. (87)	6 Fri.	3 7 30	21 Mar. (80)	6 Fri.	219-8882	907-9537	257-9326	4641
27 Mar. (87)	0 Sat.	9 20 0	9 Mar. (69)	3 Tues.	95-5716	755-1885	227-1088	4642
27 Mar. (86)	1 Sun.	15 32 30	26 Feb. (57)	0 Sat.	9971-2550	602-4234	196-2848	4643
27 Mar. (86)	2 Mon.	21 45 0	17 Mar. (76)	6 Fri.	5-8946	538-4068	247-5946	4644
28 Mar. (87)	4 Wed.	3 57 30	6 Mar. (65)	3 Tues.	9881-5780	385-6417	216-7707	4645
27 Mar. (87)	5 Thur.	10 10 0	24 Mar. (84)	2 Mon.	9916-2175	321-6252	268-0805	4646

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TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4647	1468	1603	952	720-21	1545-46	39 Viśvāvasu .	47 Pramādin .	...
4648	1469	1604	953	721-22	1546-47	40 Parābhava .	48 Ānanda .	4 Āshādha .
4649	1470	1605	954	722-23	1547-48	41 Plavaṅga .	49 Rākshasa .	...
4650	1471	1606	955	723-24	*1548-49	42 Kīlaka .	50 Anala .	...
4651	1472	1607	956	724-25	1549-50	43 Saumya .	51 Piṅgala .	2 Vaiśākha .
4652	1473	1608	957	725-26	1550-51	44 Sādhārāṇa .	52 Kālayukta .	...
4653	1474	1609	958	726-27	1551-52	45 Virōdhakṛit .	53 Siddhārthin .	6 Bhādrapada
4654	1475	1610	959	727-28	*1552-53	46 Paridhāvin .	54 Raudra .	...
4655	1476	1611	960	728-29	1553-54	47 Pramādin .	55 Durmati .	...
4656	1477	1612	961	729-30	1554-55	48 Ānanda .	56 Dundubhi .	4 Āshādha .
4657	1478	1613	962	730-31	1555-56	49 Rākshasa .	57 Rudhirōdgārin	...
4658	1479	1614	963	731-32	*1556-57	50 Anala .	58 Raktāksha .	...
4659	1480	1615	964	732-33	1557-58	51 Piṅgala .	59 Krōdhana .	3 Jyēṣṭha .
4660	1481	1616	965	733-34	1558-59	52 Kālayukta .	60 Kshaya .	...
4661	1482	1617	966	734-35	1559-60	53 Siddhārthin .	1 Prabhava	{ 8 Kārttika 11 Māgha ( <i>ksh.</i> ) 12 Phālguna }
4662	1483	1618	967	735-36	*1560-61	54 Raudra .	2 Vibhava .	
4663	1484	1619	968	736-37	1561-62	55 Durmati .	3 Śukla .	
4664	1485	1620	969	737-38	1562-63	56 Dundubhi .	4 Pramōda .	5 Śrāvaṇa .
4665	1486	1621	970	738-39	1563-64	57 Rudhirōdgārin	5 Prajāpati .	...
4666	1487	1622	971	739-40	*1564-65	58 Raktāksha .	6 Āngirasa .	...
4667	1488	1623	972	740-41	1565-66	59 Krōdhana .	7 Śrīmukha .	4 Āshādha .
4668	1489	1624	973	741-42	1566-67	60 Kshaya .	8 Bhāva .	...
4669	1490	1625	974	742-43	1567-68	1 Prabhava .	9 Yuvan .	...
4670	1491	1626	975	743-44	*1568-69	2 Vibhava .	10 Dhātṛi .	2 Vaiśākha .
4671	1492	1627	976	744-45	1569-70	3 Śukla .	11 Jēvara .	...

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LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-saṅkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	1
		H. M. S.						
27 Mar. (86)	6 Fri. .	16 22 30	13 Mar. (72)	6 Fri. .	9791-9009	168-8599	237-2566	4647
27 Mar. (86)	0 Sat. .	22 35 0	3 Mar. (82)	4 Wed.	6-2162	52-3864	209-1706	4648
28 Mar. (87)	2 Mon. .	4 47 30	22 Mar. (81)	3 Tues.	40-9559	988-3699	260-4802	4649
27 Mar. (87)	3 Tues. .	11 0 0	11 Mar. (71)	1 Sun.	255-1711	871-8964	232-3942	4650
27 Mar. (86)	4 Wed.	17 12 30	28 Feb. (59)	5 Thur.	130-8544	719-1311	201-5703	4651
27 Mar. (86)	5 Thur.	23 25 0	19 Mar. (78)	4 Wed.	165-4941	655-1147	252-8800	4652
28 Mar. (87)	0 Sat. .	5 37 30	8 Mar. (87)	1 Sun. .	41-1774	502-3495	222-0562	4653
27 Mar. (87)	1 Sun. .	11 50 0	26 Mar. (86)	0 Sat. .	75-8171	438-3329	273-3659	4654
27 Mar. (86)	2 Mon. .	18 2 30	15 Mar. (74)	4 Wed.	9952-5005	285-5678	242-5420	4655
28 Mar. (87)	4 Wed.	0 15 0	4 Mar. (63)	1 Sun. .	9827-1839	132-8021	211-7182	4656
28 Mar. (87)	5 Thur.	6 27 30	23 Mar. (82)	0 Sat. .	9861-8235	68-7856	263-0279	4657
27 Mar. (87)	6 Fri. .	12 40 0	12 Mar. (72)	5 Thur.	76-1387	952-3120	234-9418	4658
27 Mar. (86)	0 Sat. .	18 52 30	2 Mar. (61)	3 Tues.	200-4540	835-8385	206-8558	4659
28 Mar. (87)	2 Mon. .	1 5 0	21 Mar. (80)	2 Mon. .	325-0936	760-8220	258-1655	4660
28 Mar. (87)	3 Tues.	7 17 30	10 Mar. (69)	6 Fri. .	200-7771	619-0567	227-3417	4661
27 Mar. (87)	4 Wed.	13 30 0	27 Mar. (87)	4 Wed.	9896-7848	518-7487	275-9135	4662
27 Mar. (86)	5 Thur.	19 42 30	16 Mar. (75)	1 Sun. .	9772-4681	365-9835	245-0897	4663
28 Mar. (87)	0 Sat. .	1 55 0	6 Mar. (65)	6 Fri. .	9986-7834	249-5104	217-0036	4664
28 Mar. (87)	1 Sun. .	8 7 30	25 Mar. (84)	5 Thur.	21-4230	185-4939	268-3134	4665
27 Mar. (87)	2 Mon. .	14 20 0	13 Mar. (73)	2 Mon.	9897-1064	32-7287	237-4895	4666
27 Mar. (86)	3 Tues.	20 32 30	3 Mar. (62)	0 Sat. .	111-4197	916-2552	209-4035	4667
28 Mar. (87)	5 Thur.	2 45 0	22 Mar. (81)	6 Fri. .	146-0613	852-2386	260-7131	4668
28 Mar. (87)	6 Fri. .	8 57 30	11 Mar. (70)	3 Tues.	21-7447	699-4735	229-8883	4669
27 Mar. (87)	0 Sat. .	15 10 0	28 Feb. (59)	0 Sat. .	9897-4281	546-7083	199-0654	4670
27 Mar. (86)	1 Sun. .	21 22 30	18 Mar. (77)	6 Fri. .	9032-0677	482-6917	250-3782	4671

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TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4672	1493	1628	977	745-46	1570-71	4 Pramōda .	12 Bahudhānya .	6 Bhādrapada
4673	1494	1629	978	746-47	1571-72	5 Prajāpati .	13 Pramāthin .	...
4674	1495	1630	979	747-48	*1572-73	6 Āngirasa .	14 Vikrama .	...
4675	1496	1631	980	748-49	1573-74	7 Śrīmukha .	15 Vṛisha .	4 Āshādha .
4676	1497	1632	981	749-50	1574-75	8 Bhāva .	16 Chitrabhānu .	...
4677	1498	1633	982	750-51	1575-76	9 Yuvan .	17 Subhānu .	...
4678	1499	1634	983	751-52	*1576-77	10 Dhātri .	18 Tāraṇa .	3 Jyēṣṭha .
4679	1500	1635	984	752-53	1577-78	11 Īsvara .	19 Pārthiva .	...
4680	1501	1636	985	753-54	1578-79	12 Bahudhānya .	20 Vyaya .	8 Kārttika .
4681	1502	1637	986	754-55	1579-80	13 Pramāthin .	21 Sarvajit .	...
4682	1503	1638	987	755-56	*1580-81	14 Vikrama .	22 Sarvadhārin .	...
4683	1504	1639	988	756-57	1581-82	15 Vṛisha .	23 Virōdhin .	5 Śrāvaṇa .
4684	1505	1640	989	757-58	1582-83	16 Chitrabhānu .	24 Vikṛita .	...
4685	1506	1641	990	758-59	1583-84	17 Subhānu .	25 Khara .	...
4686	1507	1642	991	759-60	*1584-85	18 Tāraṇa .	26 Nandana .	4 Āshādha .
4687	1508	1643	992	760-61	1585-86	19 Pārthiva .	27 Vijaya .	...
4688	1509	1644	993	761-62	1586-87	20 Vyaya .	28 Jaya .	...
4689	1510	1645	994	762-63	1587-88	21 Sarvajit .	29 Manmatha† .	2 Vaiśākha .
4690	1511	1646	995	763-64	*1588-89	22 Sarvadhārin .	31 Hēmalamba .	...
4691	1512	1647	996	764-65	1589-90	23 Virōdhin .	32 Vilamba .	6 Bhādrapada
4692	1513	1648	997	765-66	1590-91	24 Vikṛita .	33 Vikārin .	...
4693	1514	1649	998	766-67	1591-92	25 Khara .	34 Śārvarin .	...
4694	1515	1650	999	767-68	*1592-93	26 Nandana .	35 Plava .	4 Āshādha .
4695	1516	1651	1000	768-69	1593-94	27 Vijaya .	36 Śubhakṛit .	...
4696	1517	1652	1001	769-70	1594-95	28 Jaya .	37 Śobhana .	...

† No. 30, Durmati, was suppressed in the north.

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## LXI—Contd.

COMMENCEMENT OF THE									Kali.
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF DAY ON WHICH CHAITRA SUKLA 1 ENDED).						
Day and month, A.D.	Week-day.	Time of true Māsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.		
13	14	17	19	20	23	24	25	1	
		H. M. S.							
28 Mar. (87)	3 Tues.	3 35 0	7 Mar. (66)	3 Tues.	9807-7511	330-2366	219-5513	4672	
28 Mar. (87)	4 Wed.	9 47 30	26 Mar. (85)	2 Mon. .	9842-3907	265-9101	270-8611	4673	
27 Mar. (87)	5 Thur.	16 0 0	15 Mar. (75)	0 Sat. .	56-7060	149-4366	242-7749	4674	
27 Mar. (86)	6 Fri. .	22 12 30	4 Mar. (63)	4 Wed.	9932-3894	996-6713	211-9511	4675	
28 Mar. (87)	1 Sun. .	4 25 0	23 Mar. (82)	3 Tues.	9967-0290	932-6549	263-2608	4676	
28 Mar. (87)	2 Mon. .	10 37 30	13 Mar. (72)	1 Sun. .	181-3441	816-1813	235-1747	4677	
27 Mar. (87)	3 Tues.	16 50 0	1 Mar. (61)	5 Thur.	57-0275	663-4160	204-3509	4678	
27 Mar. (86)	4 Wed.	23 2 30	20 Mar. (79)	4 Wed.	91-6671	599-3996	255-9524	4679	
28 Mar. (87)	6 Fri. .	5 15 0	9 Mar. (68)	1 Sun. .	9967-3506	446-6344	224-8368	4680	
28 Mar. (87)	0 Sat. .	11 27 30	28 Mar. (87)	0 Sat. .	1-9902	382-6179	276-1464	4681	
27 Mar. (87)	1 Sun. .	17 40 0	16 Mar. (76)	4 Wed.	9877-6735	229-8527	245-3226	4682	
27 Mar. (86)	2 Mon. .	23 52 30	6 Mar. (65)	2 Mon. .	91-9888	113-3791	217-2365	4683	
28 Mar. (87)	4 Wed.	6 5 0	25 Mar. (84)	1 Sun. .	126-6284	49-3626	268-5463	4684	
28 Mar. (87)	5 Thur.	12 17 30	14 Mar. (73)	5 Thur.	2-3118	896-5974	237-7224	4685	
27 Mar. (87)	6 Fri. .	18 30 0	3 Mar. (63)	3 Tues.	216-6271	780-1239	209-6363	4686	
28 Mar. (87)	1 Sun. .	0 42 30	22 Mar. (81)	2 Mon. .	251-2667	716-1074	260-9460	4687	
28 Mar. (87)	2 Mon. .	6 55 0	11 Mar. (70)	6 Fri. .	126-9501	563-3422	230-1222	4688	
28 Mar. (87)	3 Tues.	13 7 30	28 Feb. (59)	3 Tues.	2-6335	410-5770	199-2983	4689	
27 Mar. (87)	4 Wed.	19 20 0	18 Mar. (78)	2 Mon. .	37-2731	346-5606	260-6081	4690	
28 Mar. (87)	6 Fri. .	1 32 30	7 Mar. (66)	6 Fri. .	9912-9565	193-7953	219-7842	4691	
28 Mar. (87)	0 Sat. .	7 45 0	26 Mar. (85)	5 Thur.	9947-5961	129-7788	271-0939	4692	
28 Mar. (87)	1 Sun. .	13 57 30	16 Mar. (75)	3 Tues.	161-9114	13-2053	243-0078	4693	
27 Mar. (87)	2 Mon. .	20 10 0	4 Mar. (64)	0 Sat. .	37-5948	860-5401	212-1840	4694	
28 Mar. (87)	4 Wed.	2 22 30	23 Mar. (82)	6 Fri. .	72-2344	796-5236	263-4937	4695	
28 Mar. (87)	5 Thur.	8 35 0	13 Mar. (72)	4 Wed.	286-5496	680-0500	235-4076	4696	

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TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4697	1518	1653	1002	770-71	1595-96	29 Manmatha .	38 <i>Krōdhin</i> .	3 Jyēshṭha .
4698	1519	1654	1003	771-72	*1596-97	30 Durmukha .	39 <i>Viśvāvasu</i> .	...
4699	1520	1655	1004	772-73	1597-98	31 Hēmalamba .	40 <i>Parābhava</i> .	8 Kārttika .
4700	1521	1656	1005	773-74	1598-99	32 Vilamba .	41 <i>Plavaṅga</i> .	...
4701	1522	1657	1006	774-75	1599-1600	33 Vikārin .	42 <i>Kīlaka</i> .	...
4702	1523	1658	1007	775-76	*1600-01	34 Śārvarin .	43 <i>Saumya</i> .	5 Śrāvaṇa .
4703	1524	1659	1008	776-77	1601-02	35 Plava .	44 Sādhārṇa .	...
4704	1525	1660	1009	777-78	1602-03	36 Subhakṛit .	45 Virōdhakṛit .	...
4705	1526	1661	1010	778-79	1603-04	37 Śobhana .	46 Paridhāvin .	4 Āshāḍha .
4706	1527	1662	1011	779-80	*1604-05	38 Krōdhin .	47 Pramādin .	...
4707	1528	1663	1012	780-81	1605-06	39 Viśvāvasu .	48 Ānanda .	...
4708	1529	1664	1013	781-82	1606-07	40 Parābhava .	49 Rākshasa .	1 Chaitra .
4709	1530	1665	1014	782-83	1607-08	41 Plavaṅga .	50 Anala .	...
4710	1531	1666	1015	783-84	*1608-09	42 Kīlaka .	51 Piṅgala .	6 Bhādrapada .
4711	1532	1667	1016	784-85	1609-10	43 Saumya .	52 Kālayukta .	...
4712	1533	1668	1017	785-86	1610-11	44 Sādhārṇa .	53 Siddhārthin .	...
4713	1534	1669	1018	786-87	1611-12	45 Virōdhakṛit .	54 Raudra .	4 Āshāḍha .
4714	1535	1670	1019	787-88	*1612-13	46 Paridhāvin .	55 Durmati .	...
4715	1536	1671	1020	788-89	1613-14	47 Pramādin .	56 Dundubhi .	...
4716	1537	1672	1021	789-90	1614-15	48 Ānanda .	57 Rudhirōdgārin .	3 Jyēshṭha .
4717	1538	1673	1022	790-91	1615-16	49 Rākshasa .	58 Raktāksha .	...
4718	1539	1674	1023	791-92	*1616-17	50 Anala .	59 Krōdhana .	7 Āśvina .
4719	1540	1675	1024	792-93	1617-18	51 Piṅgala .	60 Kshaya .	...
4720	1541	1676	1025	793-94	1618-19	52 Kālayukta .	1 Prabhava .	...
4721	1542	1677	1026	794-95	1619-20	53 Siddhārthin .	2 Vibhava .	5 Śrāvaṇa .

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## LXI—Contd.

- COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA SUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	
		H. M. S.						1
28 Mar. (87)	6 Fri.	14 47 30	2 Mar. (61)	1 Sun.	162-2330	527-2848	204-5838	4607
27 Mar. (87)	0 Sat.	21 0 0	19 Mar. (79)	6 Fri.	9858-2408	426-9767	253-1557	4698
28 Mar. (87)	2 Mon.	3 12 30	8 Mar. (67)	3 Tues.	9733-9241	274-2115	222-3318	4699
28 Mar. (87)	3 Tues.	9 25 0	27 Mar. (86)	2 Mon.	9768-5638	210-1951	273-6415	4700
28 Mar. (87)	4 Wed.	15 37 30	17 Mar. (76)	6 Sat.	9982-8789	93-7214	245-5555	4701
27 Mar. (87)	5 Thur.	21 50 0	6 Mar. (66)	5 Thur.	107-1942	977-2479	218-4694	4702
28 Mar. (87)	0 Sat.	4 2 30	25 Mar. (84)	4 Wed.	231-8338	913-2313	268-7792	4703
28 Mar. (87)	1 Sun.	10 15 0	14 Mar. (73)	1 Sun.	107-5172	760-4661	237-9552	4704
28 Mar. (87)	2 Mon.	16 27 30	3 Mar. (62)	5 Thur.	9983-2006	607-7010	207-1314	4705
27 Mar. (87)	3 Tues.	22 40 0	21 Mar. (81)	4 Wed.	17-8402	543-6844	258-4411	4706
28 Mar. (87)	5 Thur.	4 52 30	10 Mar. (69)	1 Sun.	9893-5236	390-9192	227-6173	4707
28 Mar. (87)	6 Fri.	11 5 0	27 Feb. (58)	5 Thur.	9769-2070	238-1541	196-7934	4708
28 Mar. (87)	0 Sat.	17 17 30	18 Mar. (77)	4 Wed.	9803-8466	174-1376	248-1032	4709
27 Mar. (87)	1 Sun.	23 30 0	7 Mar. (67)	2 Mon.	18-1619	57-6640	220-0171	4710
28 Mar. (87)	3 Tues.	5 42 30	26 Mar. (85)	1 Sun.	52-8015	993-6475	271-3267	4711
28 Mar. (87)	4 Wed.	11 55 0	16 Mar. (75)	6 Fri.	267-1178	877-1740	243-2407	4712
28 Mar. (87)	5 Thur.	18 7 30	5 Mar. (64)	3 Tues.	142-8002	724-4087	212-4169	4713
28 Mar. (88)	0 Sat.	0 20 0	23 Mar. (83)	2 Mon.	177-4398	660-3923	263-7266	4714
28 Mar. (87)	1 Sun.	6 32 30	12 Mar. (71)	6 Fri.	53-1233	507-6271	232-9028	4715
28 Mar. (87)	2 Mon.	12 45 0	1 Mar. (60)	3 Tues.	9928-8064	354-8619	202-0789	4716
28 Mar. (87)	3 Tues.	18 57 30	20 Mar. (79)	2 Mon.	9962-4462	290-8454	253-3885	4717
28 Mar. (88)	5 Thur.	1 10 0	8 Mar. (68)	6 Fri.	9839-1305	138-0802	222-5647	4718
28 Mar. (87)	6 Fri.	7 22 30	27 Mar. (86)	5 Thur.	9874-7691	74-0637	273-8744	4719
28 Mar. (87)	0 Sat.	13 35 0	17 Mar. (76)	3 Tues.	88-0843	957-5901	245-7884	4720
28 Mar. (87)	1 Sun.	19 47 30	7 Mar. (66)	1 Sun.	302-3996	841-1165	217-7033	4721

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TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4722	1543	1678	1027	795-96	*1620-21	54 Raudra .	3 Śukla .	...
4723	1544	1679	1028	796-97	1621-22	55 Durmati .	4 Pramōda .	...
4724	1545	1680	1029	797-98	1622-23	56 Dundubhi .	5 Prajāpati .	4 Āshādha .
4725	1546	1681	1030	798-99	1623-24	57 Rudhirōdgārin	6 Āṅgīrasa .	...
4726	1547	1682	1031	799-800	*1624-25	58 Raktāksha .	7 Śrīmukha .	...
4727	1548	1683	1032	800-01	1625-26	59 Krōdhana .	8 Bhāva .	1 Chaitra .
4728	1549	1684	1033	801-02	1626-27	60 Kshaya .	9 Yuvaṇ .	...
4729	1550	1685	1034	802-03	1627-28	1 Prabhava .	10 Dhātṛi .	5 Śrāvaṇa .
4730	1551	1686	1035	803-04	*1628-29	2 Vibhava .	11 Īsvara .	...
4731	1552	1687	1036	804-05	1629-30	3 Śukla .	12 Bahudhānya .	...
4732	1553	1688	1037	805-06	1630-31	4 Pramōda .	13 Pramāthin .	4 Āshādha .
4733	1554	1689	1038	806-07	1631-32	5 Prajāpati .	14 Vikrama .	...
4734	1555	1690	1039	807-08	*1632-33	6 Āṅgīrasa .	15 Vṛisha .	...
4735	1556	1691	1040	808-09	1633-34	7 Śrīmukha .	16 Chitrabhānu .	2 Vaiśākha .
4736	1557	1692	1041	809-10	1634-35	8 Bhāva .	17 Subhānu .	...
4737	1558	1693	1042	810-11	1635-36	9 Yuvaṇ .	18 Tāraṇa .	6 Bhādrapada
4738	1559	1694	1043	811-12	*1636-37	10 Dhātṛi .	19 Pārthiva .	...
4739	1560	1695	1044	812-13	1637-38	11 Īsvara .	20 Vyaya .	...
4740	1561	1696	1045	813-14	1638-39	12 Bahudhānya .	21 Sarvajit .	5 Śrāvaṇa .
4741	1562	1697	1046	814-15	1639-40	13 Pramāthin .	22 Sarvadhārin .	...
4742	1563	1698	1047	815-16	*1640-41	14 Vikrama .	23 Virōdhin .	...
4743	1564	1699	1048	816-17	1641-42	15 Vṛisha .	24 Vikṛita .	3 Jyēshṭha .
4744	1565	1700	1049	817-18	1642-43	16 Chitrabhānu .	25 Khara .	...
4745	1566	1701	1050	818-19	1643-44	17 Subhānu .	26 Nandana .	...
4746	1567	1702	1051	819-20	*1644-45	18 Tāraṇa .	27 Vijaya .	1 Chaitra .

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## LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	
		H. M. S.						1
28 Mar. (88)	3 Tues.	2 0 0	24 Mar. (84)	6 Fri.	9998-4073	740-8085	266-2743	4722
28 Mar. (87)	4 Wed.	8 12 30	14 Mar. (73)	4 Wed.	212-7226	624-3349	238-1881	4723
28 Mar. (87)	5 Thur.	14 25 0	3 Mar. (62)	1 Sun.	88-4060	471-5697	207-3043	4724
28 Mar. (87)	6 Fri.	20 37 30	21 Mar. (80)	6 Fri.	9784-4137	371-2616	255-9362	4725
28 Mar. (88)	1 Sun.	2 50 0	10 Mar. (70)	4 Wed.	9998-7290	254-7880	227-8502	4726
28 Mar. (87)	2 Mon.	9 2 30	27 Feb. (58)	1 Sun.	9874-4124	102-0228	197-0263	4727
28 Mar. (87)	3 Tues.	15 15 0	18 Mar. (77)	0 Sat.	9909-0520	38-0063	248-3361	4728
28 Mar. (87)	4 Wed.	21 27 30	8 Mar. (67)	5 Thur.	123-3673	921-5328	220-2500	4729
28 Mar. (88)	6 Fri.	3 49 0	26 Mar. (86)	4 Wed.	158-0079	857-5162	271-4596	4730
28 Mar. (87)	0 Sat.	9 52 30	15 Mar. (74)	1 Sun.	33-6932	704-7511	240-7358	4731
28 Mar. (87)	1 Sun.	16 5 0	4 Mar. (63)	5 Thur.	9909-3737	551-9859	209-9120	4732
28 Mar. (87)	2 Mon.	22 17 30	23 Mar. (82)	4 Wed.	9944-0133	487-9693	261-2217	4733
28 Mar. (88)	4 Wed.	4 30 0	11 Mar. (71)	1 Sun.	9819-6967	335-2042	230-3979	4734
28 Mar. (87)	5 Thur.	10 42 30	1 Mar. (60)	6 Fri.	34-0119	218-7306	202-3118	4735
28 Mar. (87)	6 Fri.	16 55 0	20 Mar. (79)	5 Thur.	68-6516	154-7141	253-1575	4736
28 Mar. (87)	0 Sat.	23 7 30	9 Mar. (68)	2 Mon.	9944-3349	1-9489	222-7976	4737
28 Mar. (88)	2 Mon.	5 20 0	27 Mar. (87)	1 Sun.	9978-9746	937-9325	274-1073	4738
28 Mar. (87)	3 Tues.	11 32 30	17 Mar. (76)	6 Fri.	193-2898	821-4589	246-0213	4739
28 Mar. (87)	4 Wed.	17 45 0	6 Mar. (65)	3 Tues.	68-9732	668-6936	215-1974	4740
28 Mar. (87)	5 Thur.	23 57 30	25 Mar. (84)	2 Mon.	103-6128	604-6772	266-5072	4741
28 Mar. (88)	0 Sat.	6 10 0	13 Mar. (73)	6 Fri.	9979-2962	451-9120	235-6833	4742
28 Mar. (87)	1 Sun.	12 22 30	2 Mar. (61)	3 Tues.	9854-9796	299-1468	204-8594	4743
28 Mar. (87)	2 Mon.	18 35 0	21 Mar. (80)	2 Mon.	9890-6192	235-1303	256-1691	4744
29 Mar. (88)	4 Wed.	0 47 30	10 Mar. (69)	6 Fri.	9765-3026	82-3651	225-3453	4745
28 Mar. (88)	5 Thur.	7 0 0	28 Feb. (59)	4 Wed.	9979-6178	965-8916	197-2592	4746



TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Meshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4747	1568	1703	1052	820-21	1645-46	19 Pārthiva .	28 Jaya .	...
4748	1569	1704	1053	821-22	1646-47	20 Vyaya .	29 Manmatha .	5 Śrāvaṇa .
4749	1570	1705	1054	822-23	1647-48	21 Sarvajit .	30 Durmukha .	...
4750	1571	1706	1055	823-24	*1648-49	22 Sarvadhārin .	31 Hēmalamba .	...
4751	1572	1707	1056	824-25	1649-50	23 Virōdhin .	32 Vilamba .	4 Āshāḍha .
4752	1573	1708	1057	825-26	1650-51	24 Vikṛita .	33 Vikārin .	...
4753	1574	1709	1058	826-27	1651-52	25 Khara .	34 Śārvarin .	...
4754	1575	1710	1059	827-28	*1652-53	26 Nandana .	35 Plava .	2 Vaiśākha .
4755	1576	1711	1060	828-29	1653-54	27 Vijaya .	36 Śubhakṛit .	...
4756	1577	1712	1061	829-30	1654-55	28 Jaya .	37 Śobhana .	6 Bhādrapada
4757	1578	1713	1062	830-31	1655-56	29 Manmatha .	38 Krōdhin .	...
4758	1579	1714	1063	831-32	*1656-57	30 Durmukha .	39 Viśvāvasu .	...
4759	1580	1715	1064	832-33	1657-58	31 Hēmalamba .	40 Parābhava .	5 Śrāvaṇa .
4760	1581	1716	1065	833-34	1658-59	32 Vilamba .	41 Plavaṅga .	...
4761	1582	1717	1066	834-35	1659-60	33 Vikārin .	42 Kilaka .	...
4762	1583	1718	1067	835-36	*1660-61	34 Śārvarin .	43 Saumya .	3 Jyēshṭha .
4763	1584	1719	1068	836-37	1661-62	35 Plava .	44 Sādhāraṇa .	...
4764	1585	1720	1069	837-38	1662-63	36 Śubhakṛit .	45 Virōdhakṛit .	...
4765	1586	1721	1070	838-39	1663-64	37 Śobhana .	46 Paridhāvin .	1 Chaitra .
4766	1587	1722	1071	839-40	*1664-65	38 Krōdhin .	47 Pramādhin .	...
4767	1588	1723	1072	840-41	1665-66	39 Viśvāvasu .	48 Ānanda .	5 Śrāvaṇa .
4768	1589	1724	1073	841-42	1666-67	40 Parābhava .	49 Rākshasa .	...
4769	1590	1725	1074	842-43	1667-68	41 Plavaṅga .	50 Anala .	...
4770	1591	1726	1075	843-44	*1668-69	42 Kilaka .	51 Pīṅgala .	4 Āshāḍha .
4771	1592	1727	1076	844-45	1669-70	43 Saumya .	52 Kālayukta .	...

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## LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF DAY ON WHICH CHAITRA SUKLA 1 ENDED).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	
		H. M. S.						1
28 Mar. (87)	6 Fri. .	13 12 30	18 Mar. (77)	3 Tues.	14-2674	901-8750	248-4690	4747
28 Mar. (87)	0 Sat. .	19 25 0	8 Mar. (67)	1 Sun. .	229-5727	785-4015	220-4829	4748
29 Mar. (88)	2 Mon. .	1 37 30	27 Mar. (86)	0 Sat. .	263-2124	720-3850	271-7925	4749
28 Mar. (88)	3 Tues.	7 50 0	15 Mar. (75)	4 Wed.	138-8957	568-6198	240-9687	4750
28 Mar. (87)	4 Wed.	14 2 30	4 Mar. (63)	4 Sun. .	14-5791	415-8546	210-1449	4751
28 Mar. (87)	5 Thur.	20 15 0	23 Mar. (82)	0 Sat. .	49-2187	351-8381	261-4546	4752
29 Mar. (88)	0 Sat. .	2 27 30	12 Mar. (71)	4 Wed.	9924-9021	199-0730	230-6308	4753
28 Mar. (88)	1 Sun. .	8 40 0	29 Feb. (60)	1 Sun. .	9800-5855	46-3077	199-8269	4754
28 Mar. (87)	2 Mon. .	14 52 30	20 Mar. (79)	1 Sun. .	173-8570	18-5828	254-8044	4755
28 Mar. (87)	3 Tues.	21 5 0	9 Mar. (68)	5 Thur.	49-5403	865-8177	223-0305	4756
29 Mar. (88)	5 Thur.	3 17 30	28 Mar. (87)	4 Wed.	84-1800	801-8012	274-3402	4757
28 Mar. (88)	6 Fri. .	9 30 0	17 Mar. (77)	2 Mon. .	298-4953	685-3276	246-2542	4758
28 Mar. (87)	0 Sat. .	15 42 30	6 Mar. (65)	6 Fri. .	174-7786	532-5624	215-4303	4759
28 Mar. (87)	1 Sun. .	21 55 0	24 Mar. (83)	4 Wed.	9870-7864	432-2544	264-0023	4760
29 Mar. (88)	3 Tues.	4 7 30	13 Mar. (72)	1 Sun. .	9746-4697	279-4893	233-1784	4761
28 Mar. (88)	4 Wed.	10 20 0	2 Mar. (62)	6 Fri. .	9960-7850	163-0155	205-0743	4762
28 Mar. (87)	5 Thur.	16 32 30	21 Mar. (80)	5 Thur.	9995-4246	98-9991	256-4020	4763
28 Mar. (87)	6 Fri. .	22 45 0	10 Mar. (69)	2 Mon. .	9871-1080	946-2338	225-5782	4764
29 Mar. (88)	1 Sun. .	4 57 30	28 Feb. (59)	0 Sat. .	84-8233	829-7603	197-4921	4765
28 Mar. (88)	2 Mon. .	11 10 0	18 Mar. (78)	6 Fri. .	119-4629	765-8038	248-8019	4766
28 Mar. (87)	3 Tues.	17 22 30	7 Mar. (66)	3 Tues.	9996-1463	612-9787	217-9780	4767
28 Mar. (87)	4 Wed.	23 35 0	26 Mar. (85)	2 Mon. .	29-7859	548-9621	259-2877	4768
29 Mar. (88)	6 Fri. .	5 47 30	15 Mar. (74)	6 Fri. .	9905-4693	396-1969	238-4628	4769
28 Mar. (88)	0 Sat. .	12 0 0	3 Mar. (63)	3 Tues.	9781-1527	243-4318	207-6400	4770
28 Mar. (87)	1 Sun. .	18 12 30	22 Mar. (81)	2 Mon. .	9815-7923	179-4152	258-9497	4771

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TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4772	1593	1728	1077	845-46	1670-71	44 Sādhārāṇa .	53 Siddhārthin .	...
4773	1594	1729	1078	846-47	1671-72	45 Virōdhakṛit .	54 Raudra .	2 Vaiśākha .
4774	1595	1730	1079	847-48	*1672-73	46 Paridhāvin .	55 Durmatī† .	...
4775	1596	1731	1080	848-49	1673-74	47 Pramādin .	57 Rudhirōdgārin .	6 Bhādrapada
4776	1597	1732	1081	849-50	1674-75	48 Ānanda .	58 Rak āksha .	...
4777	1598	1733	1082	850-51	1675-76	49 Rākshasa .	59 Krōdhana .	...
4778	1599	1734	1083	851-52	*1676-77	50 Anala .	60 Kshaya .	5 Śrāvaṇa .
4779	1600	1735	1084	852-53	1677-78	51 Piṅgala .	1 Prabhava .	...
4780	1601	1736	1085	853-54	1678-79	52 Kālayukta .	2 Vibhava .	...
4781	1602	1737	1086	854-55	1679-80	53 Siddhārthin .	3 Śukla .	3 Jyēṣṭha .
4782	1603	1738	1087	855-56	*1680-81	54 Raudra .	4 Pramōda .	...
4783	1604	1739	1088	856-57	1681-82	55 Durmati .	5 Prajāpati .	{ 7 Āsvina 10 Pausa ( <i>ksh.</i> ) }
4784	1605	1740	1089	857-58	1682-83	56 Dundubhi .	6 Āngirasa .	1 Chaitra
4785	1606	1741	1090	858-59	1683-84	57 Rudhirōdgārin .	7 Śrīmukha .	...
4786	1607	1742	1091	859-60	*1684-85	58 Raktāksha .	8 Bhāva .	5 Śrāvaṇa .
4787	1608	1743	1092	860-61	1685-86	59 Krōdhana .	9 Yuvan .	...
4788	1609	1744	1093	861-62	1686-87	60 Kshaya .	10 Dhātṛi .	...
4789	1610	1745	1094	862-63	1687-88	1 Prabhava .	11 Isvara .	4 Āshāḍha .
4790	1611	1746	1095	863-64	*1688-89	2 Vibhava .	12 Bahudhānya .	...
4791	1612	1747	1096	864-65	1689-90	3 Śukla .	13 Pramāthin .	...
4792	1613	1748	1097	865-66	1690-91	4 Pramōda .	14 Vikrama .	2 Vaiśākha .
4793	1614	1749	1098	866-67	1691-92	5 Prajāpati .	15 Vṛisha .	...
4794	1615	1750	1099	867-68	*1692-93	6 Āngirasa .	16 Chitrabhānu .	6 Bhādrapada
4795	1616	1751	1100	868-69	1693-94	7 Śrīmukha .	17 Subhānu .	...
4796	1617	1752	1101	869-70	1694-95	8 Bhāva .	18 Tāraṇa .	...

† No. 56 Dundubhi was suppressed in the north.

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LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	1
		H. M. S.						
29 Mar. (88)	3 Tues.	0 25 0	12 Mar. (71)	0 Sat.	30-1076	62-9417	230-8637	4772
29 Mar. (88)	4 Wed.	6 37 30	1 Mar. (60)	4 Wed.	9905-7910	910-1765	200-0398	4773
28 Mar. (88)	5 Thur.	12 50 0	20 Mar. (80)	4 Wed.	279-0625	882-4516	254-0873	4774
28 Mar. (87)	6 Fri.	19 2 30	9 Mar. (68)	1 Sun.	154-7458	729-6864	223-2634	4775
29 Mar. (88)	1 Sun.	1 15 0	28 Mar. (87)	0 Sat.	189-3855	665-6700	274-5731	4776
29 Mar. (88)	2 Mon.	7 27 30	17 Mar. (76)	4 Wed.	65-0688	512-9048	253-7493	4777
28 Mar. (88)	3 Tues.	13 40 0	5 Mar. (65)	1 Sun.	9940-7522	360-1395	212-9255	4778
28 Mar. (87)	4 Wed.	19 52 30	24 Mar. (83)	0 Sat.	9975-3918	296-1231	264-2352	4779
29 Mar. (88)	6 Fri.	2 5 0	13 Mar. (72)	4 Wed.	9851-0752	143-3579	233-4113	4780
29 Mar. (88)	0 Sat.	8 17 30	3 Mar. (62)	2 Mon.	65-3904	26-8842	205-3252	4781
28 Mar. (88)	1 Sun.	14 30 0	21 Mar. (81)	1 Sun.	100-0300	962-8678	256-6349	4782
28 Mar. (87)	2 Mon.	20 42 30	10 Mar. (69)	5 Thur.	9975-7134	810-1026	225-8111	4783
29 Mar. (88)	4 Wed.	2 55 0	28 Feb. (59)	3 Tues.	190-0287	693-6290	197-7250	4784
29 Mar. (88)	5 Thur.	9 7 30	19 Mar. (78)	2 Mon.	224-6683	629-6125	249-0348	4785
28 Mar. (88)	6 Fri.	15 20 0	7 Mar. (67)	6 Fri.	100-3517	476-8474	218-2108	4786
28 Mar. (87)	0 Sat.	21 32 30	25 Mar. (84)	4 Wed.	9796-3594	376-5391	266-7828	4787
29 Mar. (88)	2 Mon.	3 45 0	15 Mar. (74)	2 Mon.	10-6747	260-0656	238-6967	4788
29 Mar. (88)	3 Tues.	9 57 30	4 Mar. (63)	6 Fri.	9886-3581	107-3005	207-8729	4789
28 Mar. (88)	4 Wed.	16 10 0	22 Mar. (82)	5 Thur.	9920-9977	43-2840	250-1826	4790
28 Mar. (87)	5 Thur.	22 22 30	12 Mar. (71)	3 Tues.	135-3130	926-8104	231-0966	4791
29 Mar. (88)	0 Sat.	4 35 0	1 Mar. (60)	0 Sat.	10-9963	774-0452	200-2727	4792
29 Mar. (88)	1 Sun.	10 47 30	20 Mar. (79)	6 Fri.	45-6360	710-0287	251-5824	4793
28 Mar. (88)	2 Mon.	17 0 0	8 Mar. (68)	3 Tues.	9921-3194	557-2636	220-7585	4794
28 Mar. (87)	3 Tues.	23 12 30	27 Mar. (86)	2 Mon.	9955-9590	493-2471	272-0682	4795
29 Mar. (88)	5 Thur.	5 25 0	16 Mar. (75)	6 Fri.	9831-6424	340-4819	241-2444	4796

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TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4797	1618	1753	1102	870-71	1695-96	9 Yuvan .	19 Pārthiva .	4 Āshādha .
4798	1619	1754	1103	871-72	*1696-97	10 Dhātri .	20 Vyaya .	...
4799	1620	1755	1104	872-73	1697-98	11 Īsvara .	21 Sarvajit .	...
4800	1621	1756	1105	873-74	1698-99	12 Bahudhānya .	22 Sarvadhārin .	3 Jyēshṭha .
4801	1622	1757	1106	874-75	1699-1700	13 Pramāthin .	23 Virōdhin .	...
4802	1623	1758	1107	875-76	*1700-01	14 Vikrama .	24 Vikṛita .	{ 7 Āsvina 11 Māgha ( <i>ksh.</i> ) }
4803	1624	1759	1108	876-77	1701-02	15 Vṛisha .	25 Khara .	
4804	1625	1760	1109	877-78	1702-03	16 Chitrabhānu .	26 Nandana .	...
4805	1626	1761	1110	878-79	1703-04	17 Subhānu .	27 Vijaya .	5 Śrāvāṇa .
4806	1627	1762	1111	879-80	*1704-05	18 Tārāṇa .	28 Jaya .	...
4807	1628	1763	1112	880-81	1705-06	19 Pārthiva .	29 Manmatha .	...
4808	1629	1764	1113	881-82	1706-07	20 Vyaya .	30 Durmukha .	4 Āshādha .
4809	1630	1765	1114	882-83	1707-08	21 Sarvajit .	31 Hēmalamba .	...
4810	1631	1766	1115	883-84	*1708-09	22 Sarvadhārin .	32 Vilamba .	...
4811	1632	1767	1116	884-85	1709-10	23 Virōdhin .	33 Vikārin .	2 Vaiśākha .
4812	1633	1768	1117	885-86	1710-11	24 Vikṛita .	34 Śarvarin .	...
4813	1634	1769	1118	886-87	1711-12	25 Khara .	35 Plava .	6 Bhādrapada .
4814	1635	1770	1119	887-88	*1712-13	26 Nandana .	36 Subhakṛit .	...
4815	1636	1771	1120	888-89	1713-14	27 Vijaya .	37 Śōbhana .	...
4816	1637	1772	1121	889-90	1714-15	28 Jaya .	38 Krōdhin .	4 Āshādha .
4817	1638	1773	1122	890-91	1715-16	29 Manmatha .	39 Viśvāvasu .	...
4818	1639	1774	1123	891-92	*1716-17	30 Durmukha .	40 Parābhava .	...
4819	1640	1775	1124	892-93	1717-18	31 Hēmalamba .	41 Plavaṅga .	3 Jyēshṭha .
4820	1641	1776	1125	893-94	1718-19	32 Vilamba .	42 Kilaka .	...
4821	1642	1777	1126	894-95	1719-20	33 Vikārin .	43 Saumya .	7 Āsvina .

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LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF CIVIL DAY ON WHICH CHAITRA ŚUKLA 1 ENDS).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	
		H. M. S.						1
29 Mar. (88)	6 Fri. .	11 37 30	6 Mar. (65)	4 Wed.	45-9577	224-0083	213-1584	4797
28 Mar. (88)	0 Sat. .	17 50 0	23 Mar. (83)	2 Mon. .	9741-9654	123-7001	261-7303	4798
29 Mar. (88)	2 Mon. .	0 2 30	13 Mar. (72)	0 Sat. .	9956-2806	7-2266	233-6411	4799
29 Mar. (88)	3 Tues.	6 15 0	3 Mar. (62)	5 Thur.	170-5959	890-7531	205-5581	4800
29 Mar. (88)	4 Wed.	12 27 30	22 Mar. (81)	4 Wed.	205-2355	826-7366	256-8678	4801
28 Mar. (88)	5 Thur.	18 40 0	10 Mar. (70)	1 Sun. .	80-9189	673-9714	226-0440	4802
29 Mar. (88)	0 Sat. .	0 52 30	27 Feb. (58)	5 Thur.	9956-6022	521-2062	195-2191	4803
29 Mar. (88)	1 Sun. .	7 5 0	18 Mar. (77)	4 Wed.	9991-2419	357-1897	246-5298	4804
29 Mar. (88)	2 Mon. .	13 17 30	7 Mar. (66)	1 Sun. .	9866-9253	304-1215	215-7059	4805
28 Mar. (88)	3 Tues.	19 30 0	25 Mar. (85)	0 Sat. .	9901-5649	240-1080	267-0157	4806
29 Mar. (88)	5 Thur.	1 42 30	14 Mar. (73)	4 Wed.	9777-2483	87-6428	236-1918	4807
29 Mar. (88)	6 Fri. .	7 55 0	4 Mar. (63)	2 Mon. .	9991-5636	971-1693	208-1058	4808
29 Mar. (88)	0 Sat. .	14 7 30	23 Mar. (82)	1 Sun. .	26-2032	907-1528	259-4155	4809
28 Mar. (88)	1 Sun. .	20 20 0	12 Mar. (72)	6 Fri. .	240-5185	790-6792	231-2295	4810
29 Mar. (88)	3 Tues.	2 32 30	1 Mar. (60)	3 Tues.	116-2018	637-9140	200-5055	4811
29 Mar. (88)	4 Wed.	8 45 0	20 Mar. (79)	2 Mon. .	150-8415	573-8975	251-8153	4812
29 Mar. (88)	5 Thur.	14 57 30	9 Mar. (68)	6 Fri. .	26-5249	421-1323	220-9914	4813
28 Mar. (88)	6 Fri. .	21 10 0	27 Mar. (87)	5 Thur.	61-1645	357-1158	272-3011	4814
29 Mar. (88)	1 Sun. .	3 22 30	16 Mar. (75)	2 Mon. .	9936-8478	204-3506	241-4773	4815
29 Mar. (88)	2 Mon. .	9 35 0	5 Mar. (64)	6 Fri. .	9812-5312	51-5855	210-6535	4816
29 Mar. (88)	3 Tues.	15 47 30	24 Mar. (83)	5 Thur.	9847-1709	987-5689	261-9631	4817
28 Mar. (88)	4 Wed.	22 0 0	13 Mar. (73)	3 Tues.	61-4864	871-0954	233-8770	4818
29 Mar. (88)	6 Fri. .	4 12 30	3 Mar. (62)	1 Sun. .	275-8013	754-6218	205-7910	4819
29 Mar. (88)	0 Sat. .	10 25 0	22 Mar. (81)	0 Sat. .	310-4410	691-6053	257-1007	4820
29 Mar. (88)	1 Sun. .	16 37 30	11 Mar. (70)	4 Wed.	186-1243	537-8401	226-2769	4821

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TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4822	1643	1778	1127	895-96	*1720-21	34 Śārvarin .	44 Sād̐hāraṇa .	...
4823	1644	1779	1128	896-97	1721-22	35 Plava .	45 Virōdhakṛit .	...
4824	1645	1780	1129	897-98	1722-23	36 Śubhakṛit .	46 Paridhāvin .	5 Śrāvapa .
4825	1646	1781	1130	898-99	1723-24	37 Śōbhana .	47 Pramādin .	...
4826	1647	1782	1131	899-900	*1724-25	38 Krōd̐hin .	48 Ānanda .	...
4827	1648	1783	1132	900-01	1725-26	39 Viśvāvasu .	49 Rākshasa .	4 Āshāḍha .
4828	1649	1784	1133	901-02	1726-27	40 Parābhava .	50 Anala .	...
4829	1650	1785	1134	902-03	1727-28	41 Plavaṅga .	51 Piṅgala .	...
4830	1651	1786	1135	903-04	*1728-29	42 Kīlaka .	52 Kālayukta .	2 Vaiśākha .
4831	1652	1787	1136	904-05	1729-30	43 Saumya .	53 Siddhārthin .	...
4832	1653	1788	1137	905-06	1730-31	44 Sād̐hāraṇa .	54 Raudra .	6 Bhādrapada
4833	1654	1789	1138	906-07	1731-32	45 Virōdhakṛit .	55 Durmati .	...
4834	1655	1790	1139	907-08	*1732-33	46 Paridhāvin .	56 Dundubhi .	...
4835	1656	1791	1140	908-09	1733-34	47 Pramādin .	57 Rudhirōdgārin .	4 Āshāḍha .
4836	1657	1792	1141	909-10	1734-35	48 Ānanda .	58 Raktāksha .	...
4837	1658	1793	1142	910-11	1735-36	49 Rākshasa .	59 Krōdhana .	...
4838	1659	1794	1143	911-12	*1736-37	50 Anala .	60 Kshaya .	3 Jyēṣṭha .
4839	1660	1795	1144	912-13	1737-38	51 Piṅgala .	1 Prabhava .	...
4840	1661	1796	1145	913-14	1738-39	52 Kālayukta .	2 Vibhava .	7 Āśvina .
4841	1662	1797	1146	914-15	1739-40	53 Siddhārthin .	3 Sukla .	...
4842	1663	1798	1147	915-16	*1740-41	54 Raudra .	4 Pramōda .	...
4843	1664	1799	1148	916-17	1741-42	55 Durmati .	5 Prajāpati .	5 Śrāvapa .
4844	1665	1800	1149	917-18	1742-43	56 Dundubhi .	6 Āṅgīrasa .	...
4845	1666	1801	1150	918-19	1743-44	57 Rudhirōdgārin .	7 Śrīmukha .	...
4846	1667	1802	1151	919-20	*1744-45	58 Raktāksha .	8 Bhāva .	4 Āshāḍha .

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LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF DAY ON WHICH CHAITRA ŚUKLA 1 ENDED).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	1
		H. M. S.						
28 Mar. (88)	2 Mon. .	22 50 0	28 Mar. (88)	2 Mon. .	9882-1321	437-5321	274-8488	4822
29 Mar. (88)	4 Wed.	5 2 30	17 Mar. (76)	6 Fri. .	9757-8155	284-7669	244-0249	4823
29 Mar. (88)	5 Thur.	11 15 0	7 Mar. (66)	4 Wed.	9972-1307	168-2932	215-9388	4824
29 Mar. (88)	6 Fri. .	17 27 30	26 Mar. (85)	3 Tues.	6-7703	104-2768	267-2486	4825
28 Mar. (88)	0 Sat. .	23 40 0	14 Mar. (74)	0 Sat. .	9882-4537	951-5116	236-4247	4826
29 Mar. (88)	2 Mon.	5 52 30	4 Mar. (63)	5 Thur.	96-7690	835-0380	208-3387	4827
29 Mar. (88)	3 Tues.	12 5 0	23 Mar. (82)	4 Wed.	131-4086	771-0215	259-6484	4828
29 Mar. (88)	4 Wed.	18 17 30	12 Mar. (71)	1 Sun. .	7-0920	618-2563	228-8246	4829
29 Mar. (89)	6 Fri. .	0 30 0	29 Feb. (60)	5 Thur.	9882-7754	465-4911	198-0006	4830
29 Mar. (88)	0 Sat. .	6 42 30	19 Mar. (78)	4 Wed.	9917-4150	401-4746	249-3104	4831
29 Mar. (88)	1 Sun. .	12 55 0	8 Mar. (67)	1 Sun. .	9793-0984	248-7095	218-4865	4832
29 Mar. (88)	2 Mon. .	19 7 30	27 Mar. (86)	0 Sat. .	9827-7380	184-6929	269-7963	4833
29 Mar. (89)	4 Wed.	1 20 0	16 Mar. (76)	5 Thur.	42-0533	68-2194	241-7102	4834
29 Mar. (88)	5 Thur.	7 32 30	5 Mar. (64)	2 Mon. .	9917-7367	915-4542	210-8864	4835
29 Mar. (88)	6 Fri. .	13 45 0	24 Mar. (83)	1 Sun. .	9952-3763	851-4377	262-1960	4836
29 Mar. (88)	0 Sat. .	19 57 30	14 Mar. (73)	6 Fri. .	166-6915	734-9641	234-1099	4837
29 Mar. (89)	2 Mon. .	2 10 0	2 Mar. (62)	3 Tues.	42-3749	582-1989	203-2861	4838
29 Mar. (88)	3 Tues.	8 22 30	21 Mar. (80)	2 Mon. .	77-0146	518-1725	254-5958	4839
29 Mar. (88)	4 Wed.	14 35 0	10 Mar. (69)	6 Fri. .	9952-6979	365-4172	223-7720	4840
29 Mar. (88)	5 Thur.	20 47 30	29 Mar. (88)	5 Thur.	9987-3376	301-4008	275-1017	4841
29 Mar. (89)	0 Sat. .	3 0 0	17 Mar. (77)	2 Mon. .	9863-0209	148-6356	244-2579	4842
29 Mar. (88)	1 Sun. .	9 12 30	7 Mar. (66)	0 Sat. .	77-3362	31-1620	216-1717	4843
29 Mar. (88)	2 Mon. .	15 25 0	26 Mar. (85)	6 Fri. .	111-9758	968-1455	267-4815	4844
29 Mar. (88)	3 Tues.	21 37 30	15 Mar. (74)	3 Tues.	9987-6592	815-3803	236-6576	4845
29 Mar. (89)	5 Thur.	3 50 0	4 Mar. (64)	1 Sun. .	201-9744	698-9068	208-5707	4846

	PAGE		PAGE
Yella-Vojhla, <i>family name</i> .	328	yōgin,	342, 345.
Yemmanūra, <i>vi.</i> ,	312, 322	Ysamotika, <i>k. of Saurāshtra dy.</i>	20, 21, 22, 23, 24, 25
<i>yi</i> for <i>i</i> , and <i>vice versa</i>	287	Yudhishtira,	256
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The figures refer to pages; *n.* after a figure to foot-notes, the number after *n.* to the number of the foot-note and *add.* after a figure to Additions and Corrections. The following other abbreviations are used:—*ch.* = chief; *co.* = country; *di.* = district, division; *div.* = divinity; *do.* = the same, ditto; *dy.* = dynasty; *E.* = Eastern; *feud.* = feudatory; *k.* = king; *m.* = man; *mt.* = mountain; *ri.* = river; *s. a.* = see also; *sur.* = surname; *te.* = temple; *vi.* = village, town; *W.* = Western; *wo.* = woman.

to 3.6.80  
K. R. No. 7820  
G. R. No. 30460



TABLE

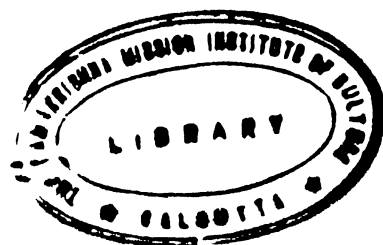
CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali. <sup>a</sup>	Saka.	Chaitrādi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4847	1668	1803	1152	920-21	1745-46	59 Krōdhana .	9 Yuvaṇ . .	...
4848	1669	1804	1153	921-22	1746-47	60 Kshaya .	10 Dhātṛi . .	...
4849	1670	1805	1154	922-23	1747-48	1 Prabhava .	11 Śvara . .	1 Chaitra .
4850	1671	1806	1155	923-24	*1748-49	2 Vibhava .	12 Bahudhānya .	...
4851	1672	1807	1156	924-25	1749-50	3 Śukla .	13 Pramāthin .	6 Bahudhānya
4852	1673	1808	1157	925-26	1750-51	4 Pramōda .	14 Vikrama .	...





LXI—Concl'd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF DAY ON WHICH CHAITRA ŚUKLA 1 ENDED).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	1
		H. M. S.						
29 Mar. (88)	6 Fri. .	10 2 30	23 Mar. (82)	0 Sat. .	236-6140	634-8902	259-8813	4847
29 Mar. (88)	0 Sat. .	16 15 0	12 Mar. (71)	4 Wed.	112-2974	482-1250	229-0575	4848
29 Mar. (88)	1 Sun. .	22 27 30	1 Mar. (60)	1 Sun. .	9987-9809	329-3599	198-2335	4849
29 Mar. (89)	3 Tues.	4 40 0	19 Mar. (79)	0 Sat. .	22-6204	265-3434	249-5433	4850
29 Mar. (88)	4 Wed.	10 52 30	8 Mar. (67)	4 Wed.	9898-3038	112-5782	219-7194	4851
29 Mar. (88)	5 Thur.	17 5 0	27 Mar. (86)	3 Tues.	9932-9434	48-5617	270-0292	4852



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TABLE LXII.

## NAMES OF MONTHS AND NAKSHATRAS.

(Corresponding to Table II, Part II, "Indian Calendar.")

LUNAR MONTHS.			SOLAR MONTHS.					
No.	Usual name.	Tamil name.	No.	Sign name.	Bengal name.	Tamil name.	Malayālam name.	Orissa name.
1	2	3	4	5	6	7	8	9
1	Chaitra .	Paggu .	1	Mēsha .	Vaiśākha .	Chittirai .	Mēdam .	Baiśāk
2	Vaiśākha .	Bēsa .	2	Vriśabha .	Jyēshtha .	Vaikāśi <sup>1</sup> .	Edavam .	Joiśthō.
3	Jyēshtha .	Kārtelu .	3	Mithuna .	Āshādha .	Āni .	Midunam .	Assar.
4	Āshādha .	Āti .	4	Karka .	Śrāvapa .	Ādi .	Karkadagam .	Sawun.
5	Śrāvapa .	Sōna .	5	Simha .	Bhādrapada .	Āvani .	Chingam .	Bhādro.
6	Bhādrapada .	Nirṇāla .	6	Kanyā .	Āsvina .	Purattādi <sup>2</sup> .	Kanni .	Āsin.
7	Āsvina .	Bontelu .	7	Tulā .	Kārttika .	Aippaśi <sup>3</sup> .	Tulām .	Kārttik.
8	Kārttika .	Jarde .	8	Vriśchika .	Mārgasīra .	Kārttigai .	Vriśchikam .	Āghrān.
9	Mārgasīra .	Perārde .	9	Dhanu .	Pausha .	Mārgaṇi .	Dhanu .	Paus.
10	Pausha .	Pūntolu .	10	Makara .	Māgha .	Tai .	Makaram .	Māgha.
11	Māgha .	Māyi .	11	Kumbha .	Phālguna .	Māsi .	Kumbham .	Phālgun.
12	Phālguna .	Suggi .	12	Mina .	Chaitra .	Paṅguni .	Minam .	Choitro.

<sup>1</sup> or Vaiyāśi.<sup>2</sup> or Purattāsi.<sup>3</sup> or Ārppiśi, or Appiśi.NAKSHATRAS.<sup>1</sup>

No.	Name.	Tamil name.	Deity.	No.	Name.	Tamil name.	Deity.
1	Āśvinī .	Asuvati .	Āśvin.	15	Svāti .	Sōdi .	Vāyu.
2	Bharapī .	Bharaṇi .	Yama.	16	Viśākhā .	Viśākam .	Indrāgnī.
3	Kṛittikā .	Kiruttigai .	Agni.	17	Anurādhā .	Anusham, or Anilum.	Mitra.
4	Rohiṇī .	Rohiṇi .	Prajāpati.	18	Jyēshthā .	Kēttai .	Indra.
5	Mṛigasīra .	Mirugusīram .	Sōma.	19	Mūla .	Mūlam .	Nirṛiti.
6	Ārdrā .	Ārudra, or Tiruvādirai.	Rudra.	20	Purva-Ashādhā .	Pūrādam .	Āpaḥ.
7	Punarvasu .	Punarpūsam .	Aditi.	21	Uttara-Ashādhā .	Uttirādam .	Viśvadeva.
8	Pushya .	Pūsam .	Bṛihaspati.	22	Abhijit .	...	Brahman.
9	Āślēshā .	Āyilyam .	Sarpāḥ.	23	Śrāvapa .	Tiruvōnam .	Vishṇu.
10	Maghā .	Magham .	Pitarāḥ.	24	Dhanishthā .	Aviṭtam .	Vasavaḥ.
11	Pūrva-Phalgunī .	Pūram .	Bhaga.	25	or Śravishthā .		
12	Uttara-Phalgunī .	Uttiram .	Āryaman.	26	Satabhishaj or Satatārakā .	Sadayam .	Varuṇa.
13	Hastā .	Hastam or At-tam.	Savitṛi.	27	Pūrva-Bhadrapadā .	Pūrattādi .	Aja Ekapād.
14	Chitrā .	Chittirai .	Tvashtṛi.	28	Uttara-Bhadrapadā .	Uttirattādi .	Ahi Budhnya.
				29	Rēvatī .	Rēvatī .	Pūshan.

<sup>1</sup> Tamil names and those of Deities are borrowed from Dewan Bahadur L. D. Swamikannu Pillai's "Indian Chronology."

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TABLE LXIII A.

(Corresponding to Table III, Part I, " Indian Calendar.")

COLLECTIVE DURATION OF MEAN LUNAR MONTHS.

LUNI-SOLAR YEAR (CHAITRĀDI).				
Serial number.	Name of month.	COLLECTIVE DURATION FROM BEGINNING OF YEAR TO END OF EACH <i>mean</i> LUNAR MONTH.		
		Exactly in Tithis.	In civil days.	
			Approximate.	Exact.
1	2	3	3a	3b
1	Chaitra . . .	30	30	29.53
2	Vaiśākha . . .	60	59	59.06
3	Jyēṣṭha . . .	90	89	88.59
4	Āshāḍha . . .	120	118	118.12
5	Śrāvaṇa . . .	150	148	147.65
6	Bhādrapada . . .	180	177	177.18
7	Āśvina . . .	210	207	206.71
8	Kārttika . . .	240	236	236.24
9	Mārgaśīra . . .	270	266	265.77
10	Pauṣa . . .	300	295	295.30
11	Māgha . . .	330	325	324.83
12	Phālguna . . .	360	354	354.36
	In intercalary years.	390	384	383.89

TABLE

DURATION AND COLLECTIVE DURATION OF TRUE SOLAR MONTHS, WITH INCREASE

The values are those

"W. D."—Week-day. *a* in 10,000ths

(This Table supersedes Table XVIII A, "Indian

Luni-solar months ending at the second of the two solar samkrāntis with which it is connected.	At the true solar samkrānti.	Collective duration in days, hours, etc., and collective increase of <i>a</i> , <i>b</i> , <i>c</i> from true Mēsha-samkrānti to each true samkrānti.							
		D.	W-D.	H.	M.	S.	<i>a</i>	<i>b</i>	<i>c</i>
1	2	3					4	5	6
1. Chaitra . . .	Mina-s. (of previous year).								
2. Vaiśākha . . .	Mēsha-samk . .	0	(0)	0	0	0	0	0	0
3. Jyēshṭha . . .	Vṛishabhā-samk . .	30	(2)	22	11	6.99	471.9831	122.2961	84.6643
4. Āshādhā . . .	Mithuna-samk . .	62	(6)	7	47	43.05	1105.1653	261.8682	170.6319
5. Śrāvapa . . .	Kāṛka-samk . .	93	(2)	22	22	0.37	1808.3520	408.9426	257.1654
6. Bhādrapada . .	Simha-samk . .	125	(6)	9	34	40.40	2464.1251	550.9358	343.3157
7. Āsvina . . .	Kanyā-samk . .	156	(2)	10	24	24.66	2973.4106	677.2297	428.2817
8. Kārttika . . .	Tulā-samk . .	186	(4)	21	21	37.82	3286.9182	782.5419	511.6648
9. Mārgasīrsha . .	Vṛiśchika-samk . .	216	(6)	19	2	43.34	3413.2087	867.7898	593.5344
10. Pausha . . .	Dhanu-samk . .	246	(1)	7	15	59.08	3405.9677	938.7268	674.3243
11. Māgha . . .	Makara-samk . .	275	(2)	15	41	4.81	3345.0707	3.9135	754.6804
12. Phālguna . . .	Kumbha-samk . .	305	(4)	2	39	12.57	3320.1612	72.9570	835.3275
1. Chaitra (of fol- lowing year).	Mina-samk . .	334	(5)	22	4	5.29	3414.4196	154.7719	916.9379
	Mēsha-samk (of fol- lowing year).	365	(1)	6	12	30.0	3686.2315	255.8299	1000.0

## NOTE.

EXACT VALUE OF "c" AND OF "EQUATION c" AT THE SEVERAL TRUE SAMKRĀNTIS IN EACH YEAR.

Samkrānti.	<i>c</i> .	Eqn. <i>c</i> .
1. Mēsha-samkr. .	277.4558	0.9119
2. Vṛishabhā-samkr. .	362.1201	14.2168
3. Mithuna-samkr. .	448.0877	40.6640
4. Kāṛka-samkr. .	534.6212	72.5193
5. Simha-samkr. .	620.7715	100.7366
6. Kanyā-samkr. .	705.7375	117.0626
7. Tulā-samkr. .	789.1206	117.5601
8. Vṛiśchika-samkr. .	870.9902	102.9215
9. Dhanu-samkr. .	951.7801	77.4872
10. Makara-samkr. .	32.1362	47.7147
11. Kumbha-samkr. .	112.7833	20.8518
12. Mina-samkr. .	194.3937	3.6236

## LXIII B.

OF  $a$ ,  $b$ ,  $c$ , AT EACH SAMKRĀNTI BY THE FIRST ĀRYA-SIDDHĀNTA.

fixed by M. de Ries.

of circle;  $b$  and  $c$  in 1,000ths.

*Chronography*," p. 132, and "*Indian Calendar*," Table III, Part II.

At true solar sam- krānti.	Length of month preceding each true samkrānti and increase of <i>a</i> , <i>b</i> , <i>c</i> , between each true samkrānti.					<i>a</i> .	<i>b</i> .	<i>c</i> .
	D.	W-D.	H.	M.	S.			
7	8					9	10	11
Mēsha-samk . .	0	0	0	0	0	0	0	0
Vṛishabha-samk . .	30	(2)	22	11	6-99	471-9831	122-2961	84-6643
Mithuna-samk . .	31	(3)	9	36	36-06	633-1822	139-5721	85-9676
Karka-samk . .	31	(3)	14	34	17-32	703-1867	147-0744	86-5335
Simha-samk . .	31	(3)	11	12	40-02	655-7731	141-9932	86-1503
Kanyā-samk . .	31	(3)	0	49	44-48	509-2854	126-2939	84-9660
Tulā-samk . .	30	(2)	10	57	12-94	313-5077	105-3122	83-3831
Vṛiśchika-samk . .	29	(1)	21	41	5-52	126-2905	85-2479	81-8696
Dhanu-samk . .	29	(1)	12	13	15-74	9992-7590	70-9370	80-7899
Makara-samk . .	29	(1)	8	25	5-73	9939-1030	65-1867	80-3561
Kumbha-samk . .	29	(1)	10	58	7-76	9975-0905	69-6435	80-6471
Mina-samk . .	29	(1)	19	24	52-72	94-2584	81-8149	81-6104
Mēsha-samk (of follow- ing year).	30	(2)	8	8	24-71	273-8119	101-9560	83-0622

TABLE LXIV.

INCREASE OF  $a$ ,  $b$ ,  $c$  IN DAYS OF 24 HOURS EACH BY THE FIRST ĀRYA-SIDDHANTA WITH LALLA'S BIJA.

$a$  in 10,000ths;  $b$  and  $c$  in 1,000ths of circle.

*This Table corresponds to Table IV, "Indian Calendar."*

Increase in	$a$ .	$b$ .	$c$ .
One day . . . . .	338-631873982	36-291623738	2-737785720
One year of 365 days . . . . .	3600-634003430	246-442664370	999-291787800
One year of 366 days . . . . .	3939-265877412	282-734288108	2-029573520
One century of 36,525 days . . . . .	8529-197184659	551-557045243	997-623429986
One century of 36,526 days . . . . .	8867-829058641	587-848668981	0-361215706

DAYS OF 24 HOURS EACH.

No.	Week day.	$a$ .	$b$ .	$c$ .	No.	Week day.	$a$ .	$b$ .	$c$ .
1	2	3	4	5	1	2	3	4	5
1	1	338-6319	36-2916	2-7378	31	3	497-5881	125-0403	84-8714
2	2	677-2637	72-5832	5-4756	32	4	836-2200	161-3320	87-6091
3	3	1015-8956	108-8749	8-2134	33	5	1174-8518	197-6236	90-3469
4	4	1354-5275	145-1665	10-9511	34	6	1513-4837	233-9152	93-0847
5	5	1693-1594	181-4581	13-6889	35	0	1852-1156	270-2068	95-8225
6	6	2031-7912	217-7497	16-4267	36	1	2190-7475	306-4985	98-5603
7	0	2370-4231	254-0414	19-1645	37	2	2529-3793	342-7901	101-2981
8	1	2709-0550	290-3330	21-9023	38	3	2868-0112	379-0817	104-0359
9	2	3047-6869	326-6246	24-6401	39	4	3206-6431	415-3733	106-7736
10	3	3386-3187	362-9162	27-3779	40	5	3545-2750	451-6649	109-5114
11	4	3724-9506	399-2070	30-1156	41	6	3883-9068	487-9566	112-2492
12	5	4063-5825	435-4995	32-8534	42	0	4222-5387	524-2482	114-9870
13	6	4402-2144	471-7911	35-5912	43	1	4561-1706	560-5398	117-7248
14	0	4740-8462	508-0827	38-3290	44	2	4899-8025	596-8314	120-4626
15	1	5079-4781	544-3744	41-0668	45	3	5238-4343	633-1231	123-2004
16	2	5418-1100	580-6660	43-8046	46	4	5577-0662	669-4147	125-9381
17	3	5756-7419	616-9576	46-5424	47	5	5915-6981	705-7063	128-6759
18	4	6095-3737	653-2492	49-2801	48	6	6254-3300	741-9979	131-4137
19	5	6434-0056	689-5409	52-0179	49	0	6592-9618	778-2896	134-1515
20	6	6772-6375	725-8325	54-7557	50	1	6931-5937	814-5812	136-8893
21	0	7111-2694	762-1241	57-4935	51	2	7270-2256	850-8728	139-6271
22	1	7449-9012	798-4157	60-2313	52	3	7608-8574	887-1644	142-3649
23	2	7788-5331	834-7073	62-9691	53	4	7947-4893	923-4561	145-1026
24	3	8127-1650	870-9990	65-7069	54	5	8286-1212	959-7477	147-8404
25	4	8465-7968	907-2906	68-4446	55	6	8624-7531	996-0393	150-5782
26	5	8804-4287	943-5822	71-1824	56	0	8963-3849	32-3309	153-3160
27	6	9143-0606	979-8738	73-9202	57	1	9302-0168	68-6226	156-0538
28	0	9481-6925	16-1655	76-6580	58	2	9640-6487	104-9142	158-7916
29	1	9820-3243	52-4571	79-3958	59	3	9979-2806	141-2058	161-5294
30	2	158-9562	88-7487	82-1336	60	4	317-9124	177-4974	164-2671



TABLE LXIV—Contd.

## DAYS—Contd.

No.	Week day.	a.	b.	c.	No.	Week day.	a.	b.	c.
1	2	3	4	5	1	2	3	4	5
61	5	656-5443	213-7890	167-0049	111	6	7588-1380	28-3702	303-8942
62	6	995-1762	250-0807	169-7427	112	0	7926-7699	64-6619	306-6320
63	0	1333-8081	286-3723	172-4805	113	1	8265-4018	100-9535	309-3698
64	1	1672-4399	322-8639	175-2183	114	2	8604-0336	137-2451	312-1076
65	2	2011-0718	358-9555	177-9561	115	3	8942-6655	173-5367	314-8454
66	3	2349-7037	395-2472	180-6930	116	4	9281-2974	209-8284	317-5831
67	4	2688-3356	431-5388	183-4316	117	5	9619-9293	246-1200	320-3209
68	5	3026-9674	467-8304	186-1694	118	6	9958-5611	282-4116	323-0587
69	6	3365-5993	504-1220	188-9072	119	0	297-1930	318-7032	325-7965
70	0	3704-2312	540-4137	191-6450	120	1	635-8249	354-9948	328-5343
71	1	4042-8631	576-7053	194-3828	121	2	974-4568	391-2865	331-2721
72	2	4381-4949	612-9969	197-1206	122	3	1313-0886	427-5781	334-0099
73	3	4720-1268	649-2885	199-8584	123	4	1651-7205	463-8697	336-7476
74	4	5058-7587	685-5801	202-5961	124	5	1990-3524	500-1613	339-4854
75	5	5397-3905	721-8718	205-3339	125	6	2328-9842	536-4530	342-2232
76	6	5736-0224	758-1634	208-0717	126	0	2667-6161	572-7446	344-9610
77	0	6074-6543	794-4550	210-8095	127	1	3006-2480	609-0362	347-6988
78	1	6413-2862	830-7467	213-5473	128	2	3344-8799	645-3278	350-4366
79	2	6751-9180	867-0383	216-2851	129	3	3683-5117	681-6195	353-1744
80	3	7090-5499	903-3299	219-0229	130	4	4022-1436	717-9111	355-9121
81	4	7429-1818	939-6215	221-7606	131	5	4360-7755	754-2027	358-6409
82	5	7767-8137	975-9131	224-4984	132	6	4699-4074	790-4943	361-3877
83	6	8106-4455	12-2048	227-2362	133	0	5038-0392	826-7860	364-1255
84	0	8445-0774	48-4964	229-9740	134	1	5376-6711	863-0776	366-8633
85	1	8783-7093	84-7880	232-7118	135	2	5715-3030	899-3692	369-6011
86	2	9122-3412	121-0796	235-4496	136	3	6053-9349	935-6608	372-3389
87	3	9460-9730	157-3713	238-1874	137	4	6392-5667	971-9525	375-0766
88	4	9799-6049	193-6629	240-9251	138	5	6731-1986	8-2441	377-8144
89	5	138-2367	229-9545	243-6629	139	6	7069-8305	44-5357	380-5522
90	6	476-8687	266-2461	246-4007	140	0	7408-4624	80-8273	383-2900
91	0	815-5005	302-5378	249-1385	141	1	7747-0942	117-1189	386-0278
92	1	1154-1324	338-8294	251-8763	142	2	8085-7261	153-4106	388-7656
93	2	1492-7643	375-1210	254-6141	143	3	8424-3580	189-7022	391-5034
94	3	1831-3962	411-4126	257-3519	144	4	8762-9899	225-9938	394-2411
95	4	2170-0280	447-7043	260-0896	145	5	9101-6217	262-2854	396-9789
96	5	2508-6599	483-9959	262-8274	146	6	9440-2536	298-5771	399-7167
97	6	2847-2918	520-2875	265-5652	147	0	9778-8855	334-8686	402-4545
98	0	3185-9237	556-5791	268-3030	148	1	117-5173	371-1603	405-1923
99	1	3524-5555	592-8708	271-0408	149	2	456-1492	407-4519	407-9301
100	2	3863-1874	629-1624	273-7786	150	3	794-7811	443-7436	410-6679
101	3	4201-8193	665-4540	276-5164	151	4	1133-4130	480-0352	413-4056
102	4	4540-4511	701-7456	279-2541	152	5	1472-0448	516-3268	416-1434
103	5	4870-0830	738-0372	281-9919	153	6	1810-6767	552-6184	418-8812
104	6	5217-7149	774-3289	284-7297	154	0	2149-3086	588-9101	421-6190
105	0	5556-3468	810-6205	287-4675	155	1	2487-9405	625-2017	424-3568
106	1	5894-0786	846-9121	290-2053	156	2	2826-5723	661-4933	427-0946
107	2	6233-6105	883-2037	292-9431	157	3	3165-2042	697-7849	429-8324
108	3	6572-2424	919-4954	295-6809	158	4	3503-8361	734-0766	432-5701
109	4	6910-8743	955-7870	298-4186	159	5	3842-4680	770-3682	435-3079
110	5	7249-5061	992-0786	301-1564	160	6	4181-0998	806-6598	438-0457

TABLE LXIV—*Contd.*DAYS—*Contd.*

No.	Week day.	a.	b.	c.	No.	Week day.	a.	b.	c.
1	2	3	4	5	1	2	3	4	5
161	0	4519-7317	842-9514	440-7835	211	1	1451-3254	657-5226	577-6728
162	1	4858-3636	879-2430	443-5213	212	2	1789-9572	693-8242	580-4106
163	2	5196-9955	915-5347	446-2591	213	3	2128-5892	729-1159	583-1484
164	3	5535-6273	951-8283	448-9969	214	4	2467-2210	766-4075	585-8861
165	4	5874-2592	988-1179	451-7346	215	5	2805-8529	802-0991	588-6239
166	5	6212-8911	24-4095	454-4724	216	6	3144-4848	838-9907	591-3617
167	6	6551-5230	60-7012	457-2102	217	0	3483-1167	875-2824	594-0995
168	0	6890-1548	96-9928	459-9480	218	1	3821-7485	911-5740	596-8373
169	1	7228-7867	133-2844	462-6858	219	2	4160-3804	947-8656	599-5751
170	2	7567-4186	169-5760	465-4236	220	3	4499-0123	981-1572	602-3129
171	3	7906-0505	205-8077	468-1613	221	4	4837-6442	20-4488	605-0506
172	4	8244-6823	242-1593	470-8991	222	5	5176-2760	56-7405	607-7884
173	5	8583-3142	278-4509	473-6369	223	6	5514-9079	93-0321	610-5262
174	6	8921-9461	314-7425	476-3747	224	0	5853-5398	129-3237	613-2640
175	0	9260-5779	351-0342	479-1125	225	1	6192-1716	165-6153	616-0018
176	1	9599-2098	387-3258	481-8503	226	2	6530-8035	201-9070	618-7396
177	2	9937-8417	423-6174	484-5881	227	3	6869-4354	238-1986	621-4774
178	3	276-4736	459-9090	487-3259	228	4	7208-0673	274-4902	624-2151
179	4	615-1054	496-2006	490-0636	229	5	7546-6991	310-7818	626-9529
180	5	953-7373	532-4923	492-8014	230	6	7885-3310	347-0735	629-6907
181	6	1292-3692	568-7839	495-5392	231	0	8223-9629	383-3651	632-4285
182	0	1631-0011	605-0755	498-2770	232	1	8562-5948	419-6567	635-1663
183	1	1969-6329	641-3671	501-0148	233	2	8901-2266	455-9483	637-9041
184	2	2308-2648	677-6588	503-7526	234	3	9239-8585	492-2400	640-6419
185	3	2646-8967	713-9504	506-4904	235	4	9578-4904	528-5316	643-3706
186	4	2985-5286	750-2420	509-2281	236	5	9917-1223	564-8232	646-1174
187	5	3324-1604	786-5336	511-9659	237	6	255-7541	601-1148	648-8552
188	6	3662-7923	822-8253	514-7037	238	0	594-3860	637-4064	651-5930
189	0	4001-4242	858-1169	517-4415	239	1	933-0179	673-0981	654-3308
190	1	4340-0561	895-4085	520-1793	240	2	1271-6498	709-9897	657-0686
191	2	4678-6879	931-7001	522-9171	241	3	1610-2816	746-2813	659-8064
192	3	5017-3198	967-9918	525-6549	242	4	1948-9135	782-5729	662-5441
193	4	5355-9517	4-2834	528-3926	243	5	2287-5454	818-8646	665-2819
194	5	5694-5836	40-5750	531-1304	244	6	2626-1773	855-1562	668-0197
195	6	6033-2154	76-8666	533-8682	245	0	2964-8091	891-4478	670-7575
196	0	6371-8473	113-1583	536-6060	246	1	3303-4410	927-7394	673-4953
197	1	6710-4792	149-4499	539-3438	247	2	3642-0729	964-0311	676-2331
198	2	7049-1110	185-7415	542-0816	248	3	3980-7047	0-3227	678-9709
199	3	7387-7429	222-0331	544-8194	249	4	4319-3366	36-6143	681-7086
200	4	7726-3748	258-3247	547-5571	250	5	4657-9685	72-9059	684-4464
201	5	8065-0067	294-6164	550-2949	251	6	4996-6004	109-1976	687-1842
202	6	8403-6385	330-9080	553-0327	252	0	5335-2322	145-4892	689-9220
203	0	8742-2704	367-1996	555-7705	253	1	5673-8641	181-7808	692-6598
204	1	9080-9023	403-4912	558-5083	254	2	6012-4960	218-0724	695-3976
205	2	9419-5342	439-7829	561-2461	255	3	6351-1279	254-3641	698-1354
206	3	9758-1660	476-0745	563-9839	256	4	6689-7597	290-6557	700-8731
207	4	96-7979	512-3661	566-7216	257	5	7028-3916	326-9473	703-6109
208	5	435-4298	548-6577	569-4594	258	6	7367-0235	363-2389	706-3487
209	6	774-0617	584-9494	572-1972	259	0	7705-6554	399-5305	709-0865
210	0	1112-6935	621-2410	574-9350	260	1	8044-2872	435-8222	711-8243

TABLE LXIV—Contd.

DAYS—Contd.

No.	Week day.	a.	b.	c.	No.	Week day.	a.	b.	c.
1.	2	3	4	5	1	2	3	4	5
261	2	8382-9191	472-1138	714-5621	311	3	5314-5128	286-6950	851-4514
262	3	8721-5510	508-4054	717-2999	312	4	5653-1446	322-9806	854-1891
263	4	9060-1829	544-6970	720-0376	313	5	5991-7766	359-2782	856-9269
264	5	9398-8147	580-9887	722-7754	314	6	6330-4084	395-5699	859-6647
265	6	9737-4466	617-2803	725-5132	315	0	6669-0403	431-8615	862-4025
266	0	76-0785	653-5719	728-2510	316	1	7007-6722	468-1531	865-1403
267	1	414-7104	689-8635	730-9888	317	2	7346-3041	504-4447	867-8781
268	2	753-3422	726-1552	733-7266	318	3	7684-9359	540-7363	870-6159
269	3	1091-9741	762-4408	736-4644	319	4	8023-5678	577-0280	873-3536
270	4	1430-6060	798-7384	739-2021	320	5	8362-1997	613-3196	876-0914
271	5	1769-2378	835-0300	741-9399	321	6	8700-8315	649-6112	878-8292
272	6	2107-8697	871-3217	744-6777	322	0	9039-4634	685-9028	881-5670
273	0	2446-5016	907-6133	747-4155	323	1	9378-0953	722-1945	884-3048
274	1	2785-1335	943-9049	750-1533	324	2	9716-7272	758-4861	887-0426
275	2	3123-7653	979-1965	752-8911	325	3	55-3590	794-7777	889-7804
276	3	3462-3972	16-4882	755-6289	326	4	394-9009	831-0693	892-5181
277	4	3801-0291	52-7798	758-3666	327	5	732-6228	867-3610	895-2559
278	5	4139-6610	89-0714	761-1044	328	6	1071-2547	903-6526	897-9937
279	6	4478-2928	125-3630	763-8422	329	0	1409-8865	939-9442	900-7315
280	0	4816-9247	161-6546	766-5800	330	1	1748-5184	976-2358	903-4693
281	1	5155-5566	197-9463	769-3178	331	2	2087-1503	12-5275	906-2071
282	2	5494-1885	234-2379	772-0550	332	3	2425-7822	48-8191	908-9449
283	3	5832-8203	270-5295	774-7934	333	4	2764-4140	85-1107	911-6826
284	4	6171-4522	306-8211	777-5311	334	5	3103-0459	121-4023	914-4204
285	5	6510-0841	343-1128	780-2689	335	6	3441-6778	157-6940	917-1582
286	6	6848-7160	379-4044	783-0067	336	0	3780-3097	193-9856	919-8960
287	0	7187-3478	415-6960	785-7445	337	1	4118-9415	230-2772	922-6338
288	1	7525-9797	451-9876	788-4823	338	2	4457-5734	266-5688	925-3716
289	2	7864-6116	488-2793	791-2201	339	3	4796-2053	302-8604	928-1094
290	3	8203-2435	524-5709	793-9579	340	4	5134-8372	339-1521	930-8471
291	4	8541-8753	560-8625	796-6956	341	5	5473-4690	375-4437	933-5849
292	5	8880-5072	597-1541	799-4334	342	6	5812-1009	411-7353	936-3227
293	6	9219-1391	633-4458	802-1712	343	0	6150-7328	448-0269	939-0605
294	0	9557-7710	669-7374	804-9090	344	1	6489-3646	484-3186	941-7983
295	1	9896-4028	706-0290	807-6468	345	2	6827-9965	520-6102	944-5361
296	2	235-0347	742-3206	810-3846	346	3	7166-6284	556-9018	947-2739
297	3	573-6666	778-6123	813-1224	347	4	7505-2003	593-1934	950-0116
298	4	912-2984	814-9039	815-8601	348	5	7843-8021	629-4851	952-7494
299	5	1250-9303	851-1955	818-5979	349	6	8182-5240	665-7767	955-4872
300	6	1589-5622	887-4871	821-3357	350	0	8521-1559	702-0683	958-2250
301	0	1928-1941	923-7787	824-0735	351	1	8859-7878	738-3599	960-9628
302	1	2266-8259	960-0704	826-8113	352	2	9198-4196	774-6516	963-7006
303	2	2605-4578	996-3620	829-5491	353	3	9537-0515	810-9432	966-4384
304	3	2944-0897	32-6536	832-2869	354	4	9875-6834	847-2348	969-1761
305	4	3282-7216	68-9452	835-0246	355	5	214-3153	883-5264	971-9139
306	5	3621-3534	105-2369	837-7624	356	6	552-9471	919-8181	974-6517
307	6	3959-9853	141-5285	840-5002	357	0	891-5790	956-1097	977-3895
308	0	4298-6172	177-8201	843-2380	358	1	1230-2109	992-4013	980-1273
309	1	4637-2491	214-1117	845-9758	359	2	1568-8428	20-6929	982-8651
310	2	4975-8809	250-4034	848-7136	360	3	1907-4746	64-9845	985-0029

TABLE LXIV—*Concl'd.*DAYS—*Concl'd.*

No.	Week day.	a.	b.	c.	No.	Week day.	a.	b.	c.
1	2	3	4	5	1	2	3	4	5
361	4	2246-1065	101-2762	988-3406	376	5	7325-5846	645-6505	29-4074
362	5	2584-7384	137-5678	991-0784	377	6	7664-2165	681-9421	32-1452
363	6	2923-3703	173-8594	993-8162	378	0	8002-8484	718-2338	34-8830
364	0	3262-0021	210-1510	996-5540	379	1	8341-4802	754-5254	37-6208
365	1	3600-6340	246-4427	999-2918	380	2	8680-1121	790-8170	40-3586
366	2	3939-2659	282-7343	2-0296	381	3	9018-7440	827-1086	43-0964
367	3	4277-8978	319-0259	4-7674	382	4	9357-3759	863-4003	45-8341
368	4	4616-5296	355-3175	7-5051	383	5	9696-0077	899-6919	48-5719
369	5	4955-1615	391-6092	10-2429	384	6	34-6396	935-9835	51-3097
370	6	5293-7934	427-9008	12-9807	385	0	373-2715	972-2751	54-0475
371	0	5632-4252	464-1924	15-7185					
372	1	5971-0671	500-4840	18-4563					
373	2	6309-8890	536-7757	21-1941					
374	3	6648-3209	573-0673	23-9319					
375	4	6986-9527	609-3589	26-6696					

TABLE LXV.

INCREASE OF  $a$ ,  $b$ ,  $c$  BY THE FIRST ĀRYA-SIDDHĀNTA WITH LALLA'S BIJA.

HOURS, MINUTES AND SECONDS.

(a in 10,000ths of circle ;  $b$  and  $c$  in 1,000ths.)*This Table corresponds to Table V, " Indian Calendar."*

Increase in				a.	b.	c.
One hour .	.	.	.	14-109661416	1-512150989	0-114074405
One minute .	.	.	.	0-235161024	0-025202517	0-001901210
One second .	.	.	.	0-003919350	0-000420042	0-000031687

## HOURS.

No.	a.	b.	c.	No.	a.	b.	c.
1	14-1097	1-5122	0-1141	13	183-4256	19-6580	1-4830
2	28-2193	3-0243	0-2281	14	197-5353	21-1701	1-5970
3	42-3290	4-5365	0-3422	15	211-6449	22-6823	1-7111
4	56-4386	6-0486	0-4563	16	225-7546	24-1944	1-8252
5	70-5483	7-5608	0-5704	17	239-8642	25-7066	1-9393
6	84-6580	9-0729	0-6844	18	253-9739	27-2187	2-0533
7	98-7676	10-5851	0-7985	19	268-0836	28-7309	2-1674
8	112-8773	12-0972	0-9126	20	282-1932	30-2430	2-2815
9	126-9870	13-6094	1-0267	21	296-3029	31-7552	2-3956
10	141-0966	15-1215	1-1407	22	310-4126	33-2673	2-5096
11	155-2063	16-6337	1-2548	23	324-5222	34-7795	2-6237
12	169-3159	18-1458	1-3689	24	338-6319	36-2916	2-7378

## MINUTES.

No.	a.	b.	c.	No.	a.	b.	c.	No.	a.	b.	c.
1	0-2352	0-0252	0-0019	21	4-9384	0-5293	0-0399	41	9-6416	1-0333	0-0780
2	0-4703	0-0504	0-0038	22	5-1735	0-5545	0-0418	42	9-8768	1-0585	0-0799
3	0-7055	0-0756	0-0057	23	5-4087	0-5797	0-0437	43	10-1119	1-0837	0-0818
4	0-9406	0-1008	0-0076	24	5-6439	0-6049	0-0456	44	10-3471	1-1089	0-0837
5	1-1758	0-1260	0-0095	25	5-8790	0-6301	0-0475	45	10-5822	1-1341	0-0856
6	1-4110	0-1512	0-0114	26	6-1142	0-6553	0-0494	46	10-8174	1-1593	0-0875
7	1-6461	0-1764	0-0133	27	6-3493	0-6805	0-0513	47	11-0526	1-1845	0-0894
8	1-8813	0-2016	0-0152	28	6-5845	0-7057	0-0532	48	11-2877	1-2097	0-0913
9	2-1164	0-2268	0-0171	29	6-8197	0-7309	0-0551	49	11-5229	1-2349	0-0932
10	2-3516	0-2520	0-0190	30	7-0548	0-7561	0-0570	50	11-7581	1-2601	0-0951
11	2-5868	0-2772	0-0209	31	7-2900	0-7813	0-0589	51	11-9932	1-2853	0-0970
12	2-8219	0-3024	0-0228	32	7-5252	0-8065	0-0608	52	12-2284	1-3105	0-0989
13	3-0571	0-3276	0-0247	33	7-7603	0-8317	0-0627	53	12-4635	1-3357	0-1008
14	3-2923	0-3528	0-0266	34	7-9955	0-8569	0-0646	54	12-6987	1-3609	0-1027
15	3-5274	0-3780	0-0285	35	8-2306	0-8821	0-0665	55	12-9339	1-3861	0-1046
16	3-7626	0-4032	0-0304	36	8-4658	0-9073	0-0684	56	13-1690	1-4113	0-1065
17	3-9977	0-4284	0-0323	37	8-7010	0-9325	0-0703	57	13-4042	1-4365	0-1084
18	4-2329	0-4536	0-0342	38	8-9361	0-9577	0-0722	58	13-6393	1-4617	0-1103
19	4-4681	0-4788	0-0361	39	9-1713	0-9829	0-0741	59	13-8745	1-4869	0-1122
20	4-7032	0-5041	0-0380	40	9-4064	1-0081	0-0760	60	14-1097	1-5122	0-1141

TABLE LXV—*Contd.*

## SECONDS.

No.	a.	b.	c.	No.	a.	b.	c.	No.	a.	b.	c.
1	0-0039	0-0004	0-0000	21	0-0823	0-0088	0-0007	41	0-1607	0-0172	0-0013
2	0-0078	0-0008	0-0001	22	0-0862	0-0092	0-0007	42	0-1646	0-0176	0-0013
3	0-0118	0-0013	0-0001	23	0-0901	0-0097	0-0007	43	0-1685	0-0181	0-0014
4	0-0157	0-0017	0-0001	24	0-0941	0-0101	0-0008	44	0-1725	0-0185	0-0014
5	0-0196	0-0021	0-0002	25	0-0980	0-0105	0-0008	45	0-1764	0-0189	0-0014
6	0-0235	0-0025	0-0002	26	0-1019	0-0109	0-0008	46	0-1803	0-0193	0-0015
7	0-0274	0-0029	0-0002	27	0-1058	0-0113	0-0009	47	0-1842	0-0197	0-0015
8	0-0314	0-0034	0-0003	28	0-1097	0-0118	0-0009	48	0-1881	0-0202	0-0015
9	0-0353	0-0038	0-0003	29	0-1137	0-0122	0-0009	49	0-1920	0-0206	0-0016
10	0-0392	0-0042	0-0003	30	0-1176	0-0126	0-0010	50	0-1960	0-0210	0-0016
11	0-0431	0-0046	0-0003	31	0-1215	0-0130	0-0010	51	0-1999	0-0214	0-0016
12	0-0470	0-0050	0-0004	32	0-1254	0-0134	0-0010	52	0-2038	0-0218	0-0016
13	0-0510	0-0055	0-0004	33	0-1293	0-0139	0-0010	53	0-2077	0-0223	0-0017
14	0-0549	0-0059	0-0004	34	0-1333	0-0143	0-0011	54	0-2116	0-0227	0-0017
15	0-0588	0-0063	0-0005	35	0-1372	0-0147	0-0011	55	0-2156	0-0231	0-0017
16	0-0627	0-0067	0-0005	36	0-1411	0-0151	0-0011	56	0-2195	0-0235	0-0018
17	0-0666	0-0071	0-0005	37	0-1450	0-0155	0-0012	57	0-2234	0-0239	0-0018
18	0-0705	0-0076	0-0006	38	0-1489	0-0160	0-0012	58	0-2273	0-0244	0-0018
19	0-0745	0-0080	0-0006	39	0-1525	0-0164	0-0012	59	0-2312	0-0248	0-0019
20	0-0784	0-0084	0-0006	40	0-1568	0-0168	0-0013	60	0-2352	0-0252	0-0019

## TABLES LXVI, LXVII.

"EQUATION *b*" AND "EQUATION *c*" IN WHOLE NUMBERS BY THE FIRST ĀRYA-SIDDHĀNTA

(corresponding to Tables VI, VII, "Indian Calendar").

Tables LXVI A and LXVII A state the values of "equation *b*" and "equation *c*" in detail.

TABLE LXVI.

LUNAR "EQUATION *b*."

Arg.	Eqn.	Arg.	Arg.	Eqn.	Arg.
0	139	500	500	139	1000
10	148	490	510	130	990
20	157	480	520	121	980
30	165	470	530	114	970
40	174	460	540	105	960
50	182	450	550	96	950
60	191	440	560	88	940
70	199	430	570	80	930
80	206	420	580	72	920
90	214	410	590	65	910
100	221	400	600	58	900
110	228	390	610	51	890
120	235	380	620	44	880
130	241	370	630	38	870
140	247	360	640	32	860
150	252	350	650	27	850
160	257	340	660	22	840
170	262	330	670	17	830
180	265	320	680	13	820
190	269	310	690	10	810
200	272	300	700	7	800
210	274	290	710	4	790
220	276	280	720	2	780
230	277	270	730	1	770
240	278	260	740	0	760
250	279	250	750	0	750

TABLE LXVII.

SOLAR "EQUATION *c*."

Arg.	Eqn.	Arg.	Arg.	Eqn.	Arg.
0	60	500	500	60	1000
10	56	490	510	63	990
20	52	480	520	67	980
30	49	470	530	71	970
40	45	460	540	75	960
50	41	450	550	78	950
60	38	440	560	81	940
70	34	430	570	85	930
80	31	420	580	88	920
90	28	410	590	92	910
100	25	400	600	95	900
110	21	390	610	98	890
120	18	380	620	101	880
130	16	370	630	103	870
140	14	360	640	106	860
150	11	350	650	108	850
160	9	340	660	110	840
170	7	330	670	112	830
180	6	320	680	113	820
190	4	310	690	115	810
200	3	300	700	116	800
210	2	290	710	117	790
220	1	280	720	118	780
230	1	270	730	119	770
240	0	260	740	119	760
250	0	250	750	119	750

Diff. in equa- tion.	Last figure of argument.								
	9	8	7	6	5	4	3	2	1
	Add or subtract.								
9	8	7	6	5	4 or 5	4	3	2	1
8	7	6	6	5	4	3	2	2	1
7	6	6	5	4	3 or 4	3	2	1	1
6	5	5	4	4	3	2	2	1	1
5	4 or 5	4	3 or 4	3	2 or 3	2	1 or 2	1	0 or 1
4	4	3	3	2	2	2	1	1	0
3	3	2	2	2	1 or 2	1	1	1	0
2	2	2	1	1	1	1	1	0	0
1	1	1	1	1	0 or 1	0	0	0	0

TABLE LXVI A.

A) MOON'S "EQUATION  $b$ " BY THE FIRST ĀRYA-SIDDHĀNTA, FROM  $\zeta$ 's MEAN ANOM. 0—500 ( $0^\circ$ — $180^\circ$ ).

Cols. 3, 4.—Equation and difference stand for either of the mean anom. values in cols. 2a, 2b. For the 24 base-equations see Table LXX.

Arg.  $b$  is  $\zeta$ 's mean anom. in 1,000ths of circle.

Col. 3.—The equation is  $\zeta$ 's greatest equation plus the actual equation, in 10,000ths of circle.

Serial No. of sine.	Arg. $b$ .	Equation $b$ .	Diff.	Arg. $b$ .	Serial No. of sine.	Arg. $b$ .	Equation $b$ .	Diff.	Arg. $b$ .
1	2a	3	4	2b	1	2a	3	4	2b
0	0-0	139-4275	1-8220	500-0	12	125-0	237-9056	1-2482	375-0
	2-083	141-2505		497-916		127-083	239-1537		372-916
	4-16	143-0734		495-83		129-16	240-4019		370-83
	6-25	144-8963		493-75		131-25	241-6501		368-75
	8-3	146-7192	1-8148	491-6	13	133-3	242-8983	1-1637	366-6
1	10-416	148-5421		489-583		135-416	244-1464		364-583
	12-5	150-3569		487-5		137-5	245-3102		362-5
	14-583	152-1718		485-416		139-583	246-4739		360-416
	16-6	153-9866	1-7986	483-3	14	141-6	247-6376	1-0661	358-3
	18-75	155-8014		481-25		143-75	248-8014		356-25
2	20-83	157-6162		479-16		145-83	249-9651		354-16
	22-916	159-4148		477-083		147-916	251-0312		352-083
	25-0	161-2134	1-7743	475-0	15	150-0	252-0973	0-9684	350-0
	27-083	163-0120		472-916		152-083	253-1634		347-916
	29-16	164-8106		470-83		154-16	254-2294		345-83
3	31-25	166-6093		468-75		156-25	255-2955		343-75
	33-3	168-3836	1-7419	466-6	16	158-3	256-2640	0-8626	341-6
	35-416	170-1579		464-583		160-416	257-2324		339-583
	37-5	171-9322		462-5		162-5	258-2008		337-5
	39-583	173-7065		460-416		164-583	259-1692		335-416
4	41-6	175-4808	1-7014	458-3	17	166-6	260-1376	0-7568	333-3
	43-75	177-2227		456-25		168-75	261-0003		331-25
	45-83	178-9649		454-16		170-83	261-8629		329-16
	47-916	180-7065		452-083		172-916	262-7255		327-083
	50-0	182-4484	1-6609	450-0	18	175-0	263-5882	0-6429	325-0
5	52-083	184-1903		447-916		177-083	264-4508		322-916
	54-16	185-8917		445-83		179-16	265-2076		320-83
	56-25	187-5931		443-75		181-25	265-9645		318-75
	58-3	189-2944	1-6123	441-6	19	183-3	266-7213	0-5290	316-6
	60-416	190-9958		439-583		185-416	267-4781		314-583
6	62-5	192-6972		437-5		187-5	268-2350		312-5
	64-583	194-3581		435-416		189-583	268-8779		310-416
	66-6	196-0190	1-5475	433-3	20	191-6	269-5208	0-4150	308-3
	68-75	197-6799		431-25		193-75	270-1637		306-25
	70-83	199-3407		429-16		195-83	270-8066		304-16
	72-916	201-0016		427-083		197-916	271-4495		302-083
7	75-0	202-6130	1-4826	425-0	21	200-0	271-9785	0-3011	300-0
	77-083	204-2262		422-916		202-083	272-5074		297-916
	79-16	205-8384		420-83		204-6	273-0364		295-83
	81-25	207-4507		418-75		206-25	273-5654		293-75
8	83-3	209-0630	1-4097	416-6	22	208-3	274-0944	0-1790	291-6
	85-416	210-6104		414-583		210-416	274-5094		289-583
	87-5	212-1579		412-5		212-5	274-9244		287-5
	89-583	213-7053		410-416		214-583	275-3395		285-416
	91-6	215-2528	1-3287	408-3	23	216-6	275-7545	0-0570	283-3
9	93-75	216-8002		406-25		218-75	276-1695		281-25
	95-83	218-2829		404-16		220-83	276-4707		279-16
	97-916	219-7655		402-083		222-916	276-7718		277-083
	100-0	221-2481	1-3287	400-0	24	225-0	277-0729	0-0570	275-0
	102-083	222-7308		397-916		227-083	277-3740		272-916
10	104-16	224-2134		395-83		229-16	277-6751		270-83
	106-25	225-6231		393-75		231-25	277-8541		268-75
	108-3	227-0329	1-3287	391-6		233-3	278-0332	0-0570	266-6
	110-416	228-4426		389-583		235-416	278-2122		264-583
	112-5	229-8523		387-5		237-5	278-3912		262-5
	114-583	231-2620		385-416		239-583	278-5703		260-416
11	116-6	232-5007	1-3287	383-3		241-6	278-6272	0-0570	258-3
	118-75	233-9194		381-25		243-75	278-6842		256-25
	120-83	235-2482		379-16		245-83	278-7412		254-16
	122-916	236-5769		377-083		247-916	278-7981		252-083
						250-0	278-8551		250-0



TABLE LXVI A—Contd.

(B) MOON'S "EQUATION  $b$ " BY THE FIRST ARYA-SIDDHANTA FROM C's MEAN ANOM. 500—1000 ( $180^{\circ}$ — $360^{\circ}$ ).Col. 3.—The equation is C's greatest equation *minus* the actual equation, in 10,000ths of circle.

Serial No. of sine.	Arg. $b$ .	Equation $b$ .	Diff.	Arg. $b$ .	Serial No. of sine.	Arg. $b$ .	Equation $b$ .	Diff.	Arg. $b$ .
1	2a	3	4	2b	1	2a	3	4	2b
0	500-0	139-4275	1-8220	1000-0	12	625-0	40-9495	1-2482	875-0
	502-083	137-6046		997-916		627-083	39-7014		872-916
	504-16	135-7817		995-83		629-16	38-4532		870-83
	506-25	133-9588		993-75		631-25	37-2050		868-75
1	508-3	132-1359	1-8148	991-6	13	633-3	35-9568	1-1637	866-6
	510-416	130-3130		989-583		635-416	34-7087		864-583
	512-5	128-4982		987-5		637-5	33-5449		862-5
	514-583	126-6833		985-416		639-583	32-3812		860-416
2	516-6	124-8685	1-7986	983-3	14	641-6	31-2175	1-0661	858-3
	518-75	123-0537		981-25		643-75	30-0537		856-25
	520-83	121-2389		979-16		645-83	28-8900		854-16
	522-916	119-4403		977-083		647-916	27-8239		852-083
3	525-0	117-6417	1-7743	975-0	15	650-0	26-7578	0-9684	850-0
	527-083	115-8431		972-916		652-083	25-6917		847-916
	529-16	114-0444		970-83		654-16	24-6257		845-83
	531-25	112-2458		968-75		656-25	23-5596		843-75
4	533-3	110-4715	1-7419	966-6	16	658-3	22-5911	0-8626	841-6
	535-416	108-6972		964-583		660-416	21-6227		839-583
	537-5	106-9229		962-5		662-5	20-6543		837-5
	539-583	105-1486		960-416		664-583	19-6859		835-416
5	541-6	103-3743	1-7014	958-3	17	666-6	18-7175	0-7568	833-3
	543-75	101-6324		956-25		668-75	17-8548		831-25
	545-83	99-8905		954-16		670-83	16-9922		829-16
	547-916	98-1486		952-083		672-916	16-1296		827-083
6	550-0	96-4067	1-6609	950-0	18	675-0	15-2669	0-6429	825-0
	552-083	94-6648		947-916		677-083	14-4043		822-916
	554-16	92-9634		945-83		679-16	13-6475		820-83
	556-25	91-2620		943-75		681-25	12-8906		818-75
7	558-3	89-5607	1-6123	941-6	19	683-3	12-1338	0-5290	816-6
	560-416	87-8593		939-583		685-416	11-3770		814-583
	562-5	86-1579		937-5		687-5	10-6201		812-5
	564-583	84-4970		935-416		689-583	9-9772		810-416
8	566-6	82-8361	1-5475	933-3	20	691-6	9-3343	0-4150	808-3
	568-75	81-1752		931-25		693-75	8-6914		806-25
	570-83	79-5144		929-16		695-83	8-0485		804-16
	572-916	77-8535		927-083		697-916	7-4056		802-083
9	575-0	76-2412	1-4826	925-0	21	700-0	6-8766	0-3011	800-0
	577-083	74-6289		922-916		702-083	6-3477		797-916
	579-16	73-0167		920-83		704-6	5-8187		795-83
	581-25	71-4044		918-75		706-25	5-2897		793-75
10	583-3	69-7921	1-4007	916-6	22	708-3	4-7607	0-1790	791-6
	585-416	68-2447		914-583		710-416	4-3457		789-583
	587-5	66-6972		912-5		712-5	3-9307		787-5
	589-583	65-1498		910-416		714-583	3-5156		785-416
11	591-6	63-6023	1-3287	908-3	23	716-6	3-1006	0-0570	783-3
	593-75	62-0549		906-25		718-75	2-6855		781-25
	595-83	60-5722		904-16		720-83	2-3844		779-16
	597-916	59-0896		902-083		722-916	2-0833		777-083
12	600-0	57-6069	1-4007	900-0	24	725-0	1-7822	0-0000	775-0
	602-083	56-1243		897-916		727-083	1-4811		772-916
	604-16	54-6417		895-83		729-16	1-1800		770-83
	606-25	53-2319		893-75		731-25	1-0010		768-75
13	608-3	51-8222	1-3287	891-6		733-3	0-8219	0-0570	766-6
	610-416	50-4125		889-583		735-416	0-6429		764-583
	612-5	49-0028		887-5		737-5	0-4639		762-5
	614-583	47-5931		885-416		739-583	0-2848		760-416
14	616-6	46-2644	1-3287	883-3		741-6	0-2279	0-0570	758-3
	618-75	44-9357		881-25		743-75	0-1709		756-25
	620-83	43-6069		879-16		745-83	0-1139		754-16
	622-916	42-2782		877-083		747-916	0-0570		752-083
						750-0	0-0000		750-0

TABLE LXVII A.

(A) SUN'S "EQUATION c" BY THE FIRST ĀRYA-SIDDHANTA FROM ☉'s MEAN ANOMALY 0—500 (0°—180°).

Cols. 3, 4.—Equation and Difference stand for either of the mean anom.: values in cols. 2a, 2b. For the 24 base-equations see Table LXVII, above Vol. XIV.

"Arg. c" is ☉'s mean anomaly in 1,000ths of circle.

Col. 3.—The equation is ☉'s greatest equation minus the actual equation, in 10,000ths of circle.

Serial No. of sine.	Arg. c.	Equation c.	Diff.	Arg. c.	Serial No. of sine.	Arg. c.	Equation c.	Diff.	Arg. c.
1	2a	3	4	2b	1	2a	3	4	2b
0	0-0	59-6875	0-7797	500-0	12	125-0	17-4626	0-5347	375-0
	2-083	58-9078		497-916		127-083	16-9479		373-916
	4-16	58-1281		495-83		129-16	16-4132		370-83
	6-25	57-3484		493-75		131-25	15-8785		368-75
1	8-3	56-5687	0-7793	491-6	13	133-3	15-3438	0-4965	366-6
	10-416	55-7890		489-583		135-416	14-8090		364-583
	12-5	55-0096		487-5		137-5	14-3125		362-5
	14-583	54-2303		485-416		139-583	13-8160		360-416
2	16-6	53-4510	0-7708	483-3	14	141-6	13-3194	0-4549	358-3
	18-75	52-6717		481-25		143-75	12-8229		356-25
	20-83	51-8924		479-16		145-83	12-3264		354-16
	22-916	51-1215		477-083		147-916	11-8715		352-083
3	25-0	50-3507	0-7604	475-0	15	150-0	11-4167	0-4132	350-0
	27-083	49-5799		472-916		152-083	10-9618		347-916
	29-16	48-8090		470-83		154-16	10-5069		345-83
	31-25	48-0382		468-75		156-25	10-0521		343-75
4	33-3	47-2778	0-7465	466-6	16	158-3	9-6389	0-3681	341-6
	35-416	46-5174		464-583		160-416	9-2257		339-583
	37-5	45-7509		462-5		162-5	8-8125		337-5
	39-583	44-9965		460-416		164-583	8-3993		335-416
5	41-6	44-2361	0-7292	458-3	17	166-6	7-9861	0-3229	333-3
	43-75	43-4896		456-25		168-75	7-6181		331-25
	45-83	42-7431		454-16		170-83	7-2500		329-16
	47-916	41-9965		452-083		172-916	6-8819		327-083
6	50-0	41-2500	0-7118	450-0	18	175-0	6-5139	0-2743	325-0
	52-083	40-5035		447-916		177-083	6-1458		322-916
	54-16	39-7743		445-83		179-16	5-8229		320-83
	56-25	39-0451		443-75		181-25	5-5000		318-75
7	58-3	38-3160	0-6910	441-6	19	183-3	5-1771	0-2257	316-6
	60-416	37-5868		439-583		185-416	4-8542		314-583
	62-5	36-8576		437-5		187-5	4-53-3		312-5
	64-583	36-1458		435-416		189-583	4-2569		310-416
8	66-6	35-4340	0-6832	433-3	20	191-6	3-9826	0-1771	308-3
	68-75	34-7222		431-25		193-75	3-7083		306-25
	70-83	34-0104		429-16		195-83	3-4340		304-16
	72-916	33-2986		427-083		197-916	3-1597		302-083
9	75-0	32-6076	0-6354	425-0	21	200-0	2-9340	0-1285	300-0
	77-083	31-9167		422-916		202-083	2-7083		297-916
	79-16	31-2257		420-83		204-16	2-4826		295-83
	81-25	30-5347		418-75		206-25	2-2569		293-75
10	83-3	29-8438	0-6042	416-6	22	208-3	2-0312	0-0756	291-6
	85-416	29-1806		414-583		210-416	1-8642		289-583
	87-5	28-5174		412-5		212-5	1-6771		287-5
	89-583	27-8542		410-416		214-583	1-5000		285-416
11	91-6	27-1910	0-5694	408-3	23	216-6	1-3229	0-0251	283-3
	93-75	26-5278		406-25		218-75	1-1458		281-25
	95-83	25-8924		404-16		220-83	1-0174		279-16
	97-916	25-2569		402-083		222-916	0-8889		277-083
	100-0	24-6215	0-5042	400-0	24	225-0	0-7604	0-0251	275-0
	102-083	23-9861		397-916		227-083	0-6319		272-916
	104-16	23-3507		395-83		229-16	0-5035		270-83
	106-25	22-7465		393-75		231-25	0-4279		268-75
	108-3	22-1424	0-4694	391-6		233-3	0-3522	0-0251	266-6
	110-416	21-5382		389-583		235-416	0-2766		264-583
	112-5	20-9341		387-5		237-5	0-2010		262-5
	114-583	20-3299		385-416		239-583	0-1254		260-41
	116-6	19-7604	0-4251	383-3		241-6	0-1003	0-0251	258-3
	118-75	19-1910		381-25		243-75	0-0752		256-25
	120-83	18-6215		379-16		245-83	0-0502		254-16
	122-916	18-0521		377-083		247-916	0-0251		252-083
						250-0	0-0		250-0

TABLE LXVII A—Contd.

(B) SUN'S "EQUATION  $c$ " BY THE FIRST ARYA-SIDDHANTA FROM  $\odot$ 'S MEAN ANOMALY 500—1000 (180°—360°).Col. 3.—The equation is  $\odot$ 's greatest equation *plus* the actual equation, in 10,000ths of circle.

Serial No. of sine.	Arg. $c$ .	Equation $c$ .	Diff.	Arg. $c$ .	Serial No. of sine.	Arg. $c$ .	Equation $c$ .	Diff.	Arg. $c$ .
1	2a	3	4	2b	1	2a	3	4	2b
0	500-0	59-6875	0-7797	1000-0	12	625-0	101-8924	0-5347	875-0
	502-083	60-4672		997-916		627-083	102-4271		872-916
	504-16	61-2469		995-83		629-16	102-9618		870-83
	506-25	62-0266		993-75		631-25	103-4965		868-75
1	508-3	62-8063	0-7793	991-6	13	633-3	104-0312	0-4965	866-6
	510-416	63-5860		989-583		635-416	104-5660		864-583
	512-5	64-3654		987-5		637-5	105-0625		862-5
	514-583	65-1447		985-416		639-583	105-5590		860-416
2	516-6	65-9240	0-7708	983-3	14	641-6	106-0556	0-4549	858-3
	518-75	66-7033		981-25		643-75	106-5521		856-25
	520-83	67-4826		979-16		645-83	107-0486		854-16
	522-916	68-2535		977-083		647-916	107-5035		852-083
3	525-0	69-0243	0-7604	975-0	15	650-0	107-9583	0-4132	850-0
	527-083	69-7951		972-916		652-083	108-4132		847-916
	529-16	70-5660		970-83		654-16	108-8681		845-83
	531-25	71-3368		968-75		656-25	109-3229		843-75
4	533-3	72-0972	0-7465	966-6	16	658-3	109-7361	0-3681	841-6
	535-416	72-8376		964-583		660-416	110-1493		839-583
	537-5	73-6181		962-5		662-5	110-5265		837-5
	539-583	74-3785		960-416		664-583	110-9767		835-416
5	541-6	75-1389	0-7292	958-3	17	666-6	111-3889	0-3229	833-3
	543-75	75-8854		956-25		668-75	111-7509		831-25
	545-83	76-6319		954-16		670-83	112-1250		829-16
	547-916	77-3785		952-083		672-916	112-4931		827-083
6	550-0	78-1250	0-7118	950-0	18	675-0	112-8611	0-2743	825-0
	552-083	78-8715		947-916		677-083	113-2292		822-916
	554-16	79-6007		945-83		679-16	113-5521		820-83
	556-25	80-3299		943-75		681-25	113-8750		818-75
7	558-3	81-0590	0-6910	941-6	19	683-3	114-1979	0-2257	816-6
	560-416	81-7882		939-583		685-416	114-5208		814-583
	562-5	82-5174		937-5		687-5	114-8438		812-5
	564-583	83-2292		935-416		689-583	115-1181		810-416
8	566-6	83-9410	0-6632	933-3	20	691-6	115-3924	0-1771	808-3
	568-75	84-6528		931-25		693-75	115-6667		806-25
	570-83	85-3646		929-16		695-83	115-9410		804-16
	572-916	86-0764		927-083		697-916	116-2153		802-083
9	575-0	86-7874	0-6354	925-0	21	700-0	116-4410	0-1285	800-0
	577-083	87-4583		922-916		702-083	116-6667		797-916
	579-16	88-1493		920-83		704-16	116-8924		795-83
	581-25	88-8403		918-75		706-25	117-1181		793-75
10	583-3	89-5312	0-6042	916-6	22	708-3	117-3438	0-0756	791-6
	585-416	90-1944		914-583		710-416	117-5208		789-583
	587-5	90-8576		912-5		712-5	117-6979		787-5
	589-583	91-5208		910-416		714-583	117-8750		785-416
11	591-6	92-1840	0-5694	908-3	23	716-6	118-0521	0-0251	783-3
	593-75	92-8472		906-25		718-75	118-2292		781-25
	595-83	93-4826		904-16		720-83	118-3576		779-16
	597-916	94-1181		902-083		722-916	118-4861		777-083
12	600-0	94-7535	0-6042	900-0	24	725-0	118-6146	0-0251	775-0
	602-083	95-3889		897-916		727-083	118-7431		772-916
	604-16	96-0243		895-83		729-16	118-8715		770-83
	606-25	96-6285		893-75		731-25	118-9471		768-75
13	608-3	97-2326	0-5694	891-6		733-3	119-0228	0-0251	766-6
	610-416	97-8368		889-583		735-416	119-0984		764-583
	612-5	98-4410		887-5		737-5	119-1740		762-5
	614-583	99-0451		885-416		739-583	119-2496		760-416
14	616-6	99-6146	0-5347	883-3		741-6	119-2747	0-0251	758-3
	618-75	100-1840		881-25		743-75	119-2998		756-25
	620-83	100-7535		879-16		745-83	119-3248		754-16
	622-916	101-3229		877-083		747-916	119-3499		752-083
						750-0	119-3750		750-0

TABLE LXVIII.

## INDICES OF TITHIS, KARANAS, YOGAS AND NAKSHATRAS.

Indices of yogas "(y)" are numerically the same as those of nakshatras "(n)."

*This Table corresponds to Table VIII, "Indian Calendar."*

TITHI AND KARANA.				YŌGA.		NAKSHATRA.				
Serial number.	No. in paksha (lunar fortnight).	Tithi-index (t).	KARANA.		Name.	No. of Yoga or Nakshatra.	Name.	Index of Nakshatra ("n") and Yoga ("y"). Ordinary (equal-space) system.	INDEX OF ENDING POINT OF NAKSHATRA AND YŌGA, BY THE UN-EQUAL SPACE SYSTEMS OF	
			First half of Tithi.	Second half of Tithi.					Garga.	Brahma-Siddhanta.
1	2	3	4	5	6		7	8	9	10
	Sukla									
1	1	0 — 333-3	Kimstaghna*.	1 Bava .	Vishkambha .	1	Asvini .	0 — 370-370	370-370	368-0108
2	2	333-3 — 666-6	2 Bālava .	3 Kaulava .	Pṛiti .	2	Bharanī .	370-370 — 740-740	555-5	549-0051
3	3	666-6 — 1000	4 Taitila .	5 Gara .	Āyushmat .	3	Kṛittikā .	740-740 — 1111-1	925-925	915-0270
4	4	1000 — 1333-3	6 Vapīj .	7 Viśatī .	Saubhāgya .	4	Rōhinī .	1111-1 — 1481-481	1481-481	1484-0432
5	5	1333-3 — 1666-6	1 Bava .	2 Bālava .	Sōbhana .	5	Mṛigashīras .	1481-481 — 1851-851	1851-851	1830-0540
6	6	1666-6 — 2000	3 Kaulava .	4 Taitila .	Atigandha .	6	Ārdra .	1851-851 — 2222-2	2037-037	2013-0594
7	7	2000 — 2333-3	5 Gara .	6 Vapīj .	Sukarman .	7	Punarvasu .	2222-2 — 2592-592	2592-592	2562-0756
8	8	2333-3 — 2666-6	7 Viśatī .	1 Bava .	Dhṛiti .	8	Pushya .	2592-592 — 2962-962	2962-962	2928-0864
9	9	2666-6 — 3000	2 Bālava .	3 Kaulava .	Sūla .	9	Āślāshā .	2962-962 — 3333-3	3148-148	3111-0918
10	10	3000 — 3333-3	4 Taitila .	5 Gara .	Gārḍa .	10	Meghā .	3333-3 — 3703-703	3518-518	3477-1026
11	11	3333-3 — 3666-6	5 Vapīj .	7 Viśatī .	Vṛiddhi .	11	Pūrva-Phalguni .	3703-703 — 4074-074	3888-8	3843-1134

12	12	3666-6-4000	1 Bava .	2 Bālava .	Dhruva .	12	Uttara-Phalgunī .	4074-071-4444-4	4444-4	4392-1296
13	13	4000-4333-3	3 Kaulava .	4 Taitila .	Vyaghāta .	13	Hasta .	4444-4-4814-814	4814-814	4758-1404
14	14	4333-3-4666-6	5 Gara .	6 Vañij .	Harshaṇa .	14	Chitra .	4814-814-5185-185	5185-185	5124-1512
15	15	4666-6-5000	7 Viśhṭi .	1 Bava .	Vajra .	15	Svāti .	5185-185-5555-5	5370-370	5307-1566
16	16	5000-5333-3	2 Bālava .	3 Kaulava .	Siddhi† .	16	Viśākha .	5555-5-5925-925	5925-925	5856-1728
17	17	5333-3-5666-6	4 Taitila .	5 Gara .	Vyātipāta .	17	Anurādhā .	5925-925-6296-296	6296-296	6222-1836
18	18	5666-6-6000	6 Vañij .	7 Viśhṭi .	Variyas .	18	Jyēsthā .	6292-296-6666-6	6481-481	6405-1890
19	19	6000-6333-3	1 Bava .	2 Bālava .	Parigha .	19	Mūla .	6666-6-7037-037	6852-852	6771-1998
20	20	6333-3-6666-6	3 Kaulava .	4 Taitila .	Śiva .	20	Pūrva-Āshādhā .	7037-037-7407-407	7222-2	7137-2106
21	21	6666-6-7000	5 Gara .	6 Vañij .	Siddha .	21	Uttara-Āshādhā .	7407-407-7777-7	7777-7	7686-2269§
22	22	7000-7333-3	7 Viśhṭi .	1 Bava .	...	...	Abhijit§ .	...	...	7803-9355§
23	23	7333-3-7666-6	2 Bālava .	3 Kaulava .	Sādhya .	22	Śravaṇa .	7777-7-8148-148	8148-148	8169-9460
24	24	7666-6-8000	4 Taitila .	5 Gara .	Subha .	23	Dhanishṭhā§§ .	8148-148-8518-518	8518-518	8535-9568
25	25	8000-8333-3	6 Vañij .	7 Viśhṭi .	Śukla .	24	Satabhishaj .	8518-518-8888-8	8703-703	8718-9622
26	26	8333-3-8666-6	1 Bava .	2 Bālava .	Brahman .	25	Pūrva-Bhadrapadā .	8888-8-9259-259	9074-074	9084-9730
27	27	8666-6-9000	3 Kaulava .	4 Taitila .	Indra .	26	Uttara-Bhadrapadā .	9259-259-9629-629	9629-629	9633-9892
28	28	9000-9333-3	5 Gara .	6 Vañij .	Vaidhriti .	27	Révatī .	9629-629-10,000	10-000	10,000
29	29	9333-3-9666-6	7 Viśhṭi .	Śakuni .	...	...	...	...	...	...
30	30	9666-6-10000	Chatuspada .	Nāga .	...	...	...	...	...	...

\* or Kirtughna.

† Viśhṭi is also called Bhadrā, or Kalyāni.

‡ or Asrij.

§ The figures given in Col. 10 follow the limits of Abhijit as given in the "Indian Calendar," p. 22, viz., from 276° 42' 15" to 280° 56' 30". Professor Jacobbi and Dr. Burgess, however, give these limits as from 276° 40' to 281° 40' (Epin. Ind. I., p. 449; Journal R. A. S., 1893, p. 755). If they are correct, the figures in Col. 10 should be read as beginning at 7685-1852 and ending at 7824-074.

§§ or Satabhishak.

TABLE LXIX.

SERIAL NUMBER OF DAYS IN A YEAR A.D. FOR TWO CONSECUTIVE YEARS.

N. B.—The numbers given are those in a common year. In Leap-years, after February 29, the day of the month must be reduced by 1. Thus Day 153, in a Leap-year, is not June 2, but June 1.

*The Table is the same as Table IX, "Indian Calendar."*

## PART I.

Day of month.	NUMBER OF DAYS RECKONED FROM 1ST JANUARY OF THE SAME YEAR.												Day of month.
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
1	1	32	60	91	121	152	182	213	244	274	305	335	1
2	2	33	61	92	122	153	183	214	245	275	306	336	2
3	3	34	62	93	123	154	184	215	246	276	307	337	3
4	4	35	63	94	124	155	185	216	247	277	308	338	4
5	5	36	64	95	125	156	186	217	248	278	309	339	5
6	6	37	65	96	126	157	187	218	249	279	310	340	6
7	7	38	66	97	127	158	188	219	250	280	311	341	7
8	8	39	67	98	128	159	189	220	251	281	312	342	8
9	9	40	68	99	129	160	190	221	252	282	313	343	9
10	10	41	69	100	130	161	191	222	253	283	314	344	10
11	11	42	70	101	131	162	192	223	254	284	315	354	11
12	12	43	71	102	132	163	193	224	255	285	316	346	12
13	13	44	72	103	133	164	194	225	256	286	317	347	13
14	14	45	73	104	134	165	195	226	257	287	318	348	14
15	15	46	74	105	135	166	196	227	258	288	319	349	15
16	16	47	75	106	136	167	197	228	259	289	320	350	16
17	17	48	76	107	137	168	198	229	260	290	321	351	17
18	18	49	77	108	138	169	199	230	261	291	322	352	18
19	19	50	78	109	139	170	200	231	262	292	323	353	19
20	20	51	79	110	140	171	201	232	263	293	324	354	20
21	21	52	80	111	141	172	202	233	264	294	325	355	21
22	22	53	81	112	142	173	203	234	265	295	326	356	22
23	23	54	82	113	143	174	204	235	266	296	327	357	23
24	24	55	83	114	144	175	205	236	267	297	328	358	24
25	25	56	84	115	145	176	206	237	268	298	329	359	25
26	26	57	85	116	146	177	207	238	269	299	330	360	26
27	27	58	86	117	147	178	208	239	270	300	331	361	27
28	28	59	87	118	148	179	209	240	271	301	332	362	28
29	29	60	88	119	149	180	210	241	272	302	333	363	29
30	30	...	89	120	150	181	211	242	273	303	334	364	30
31	31	...	90	...	151	...	212	243	...	304	...	365	31
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	

TABLE LXIX—Contd.

SERIAL NUMBER OF DAYS IN A YEAR A.D. FOR TWO CONSECUTIVE YEARS.

*N. B.*—When the previous year was a Leap-year, the days of the month must all be reduced by 1; and so all those after February 29, when the given year is a Leap-year.

## PART II.

Day of month.	NUMBER OF DAYS RECKONED FROM 1 JANUARY OF THE PRECEDING YEAR.												Day of month.
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
1	366	397	425	456	486	517	547	578	609	639	670	700	1
2	367	398	426	457	487	518	548	579	610	640	671	701	2
3	368	399	427	458	488	519	549	580	611	641	672	702	3
4	369	400	428	459	489	520	550	581	612	642	673	703	4
5	370	401	429	460	490	521	551	582	613	643	674	704	5
6	371	402	430	461	491	522	552	583	614	644	675	705	6
7	372	403	431	462	492	523	553	584	615	645	676	706	7
8	373	404	432	463	493	524	554	585	616	646	677	707	8
9	374	405	433	464	494	525	555	586	617	647	678	708	9
10	375	406	434	465	495	526	556	587	618	648	679	709	10
11	376	407	435	466	496	527	557	588	619	649	680	710	11
12	377	408	436	467	497	528	558	589	620	650	681	711	12
13	378	409	437	468	498	529	559	590	621	651	682	712	13
14	379	410	438	469	499	530	560	591	622	652	683	713	14
15	380	411	439	470	500	531	561	592	623	653	684	714	15
16	381	412	440	471	501	532	562	593	624	654	685	715	16
17	382	413	441	472	502	533	563	594	625	655	686	716	17
18	383	414	442	473	503	534	564	595	626	656	687	717	18
19	384	415	443	474	504	535	565	596	627	657	688	718	19
20	385	416	444	475	505	536	566	597	628	658	689	719	20
21	386	417	445	476	506	537	567	598	629	659	690	720	21
22	387	418	446	477	507	538	568	599	630	660	691	721	22
23	388	419	447	478	508	539	569	600	631	661	692	722	23
24	389	420	448	479	509	540	570	601	632	662	693	723	24
25	390	421	449	480	510	541	571	602	633	663	694	724	25
26	391	422	450	481	511	542	572	603	634	664	695	725	26
27	392	423	451	482	512	543	573	604	635	665	696	726	27
28	393	424	452	483	513	544	574	605	636	666	697	727	28
29	394	425	453	484	514	545	575	606	637	667	698	728	29
30	395	...	454	485	515	546	576	607	638	668	699	729	30
31	396	...	455	...	516	...	577	608	...	669	...	730	31
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	

TABLE LXX.

CONVERSION OF TITHI-PARTS AND INDICES OF TITHIS, NAKSHATRAS AND YOGAS INTO TIME.

(Corresponding to Table X, "Indian Calendar.")

The "Argument" unit  $1 = 4^m.2524$  (a trifle over  $4\frac{1}{2}$  minutes of time), in the case of the tithi-index ( $t$ ), and  $1 = 4^m.3831$  in the case of the nakshatra index  $n$ .

Argument.	TIME EQUIVALENT OF				Argument.	TIME EQUIVALENT OF				Argument.	TIME EQUIVALENT OF			
	Tithi- parts.	Tithi- index ( $t$ ).	Nak- shatra index ( $n$ ).	Yoga- index ( $y$ ).		Tithi- parts.	Tithi- index ( $t$ ).	Nak- shatra index ( $n$ ).	Yoga- index ( $y$ ).		Tithi- parts.	Tithi- index ( $t$ ).	Nak- shatra index ( $n$ ).	Yoga- index ( $y$ ).
	H. M.	H. M.	H. M.	H. M.		H. M.	H. M.	H. M.	H. M.		H. M.	H. M.	H. M.	H. M.
1	0 1	0 4	0 4	0 4	41	0 58	2 54	2 41	2 30	76	1 48	5 23	4 59	4 38
2	0 3	0 9	0 8	0 7	42	1 0	2 59	2 45	2 34	77	1 49	5 27	5 3	4 42
3	0 4	0 13	0 12	0 11	43	1 1	3 3	2 49	2 37	78	1 51	5 32	5 7	4 46
4	0 6	0 17	0 16	0 15	44	1 2	3 7	2 53	2 41	79	1 52	5 36	5 11	4 49
5	0 7	0 21	0 20	0 18	45	1 4	3 11	2 57	2 45	80	1 53	5 40	5 15	4 53
6	0 9	0 26	0 24	0 22										
7	0 10	0 30	0 28	0 26	46	1 5	3 16	3 1	2 48	81	1 55	5 44	5 19	4 57
8	0 11	0 34	0 31	0 29	47	1 7	3 20	3 5	2 52	82	1 56	5 49	5 23	5 0
9	0 13	0 38	0 35	0 33	48	1 8	3 24	3 9	2 56	83	1 58	5 53	5 27	5 4
10	0 14	0 43	0 39	0 37	49	1 9	3 28	3 13	2 59	84	1 59	5 57	5 30	5 7
					50	1 11	3 33	3 17	3 3	85	2 0	6 1	5 34	5 11
11	0 16	0 47	0 43	0 40										
12	0 17	0 51	0 47	0 44										
13	0 18	0 55	0 51	0 48	51	1 12	3 37	3 21	3 7	86	2 2	6 6	5 38	5 15
14	0 20	1 0	0 55	0 51	52	1 14	3 41	3 25	3 10	87	2 3	6 10	5 42	5 18
15	0 21	1 4	0 59	0 55	53	1 15	3 45	3 29	3 14	88	2 5	6 14	5 46	5 22
					54	1 17	3 50	3 32	3 18	89	2 6	6 18	5 50	5 26
16	0 23	1 8	1 3	0 59	55	1 18	3 54	3 36	3 21	90	2 8	6 23	5 54	5 29
17	0 24	1 12	1 7	1 2										
18	0 26	1 17	1 11	1 6										
19	0 27	1 21	1 15	1 10	56	1 19	3 58	3 40	3 25	91	2 9	6 27	5 58	5 33
20	0 28	1 25	1 19	1 13	57	1 21	4 2	3 44	3 29	92	2 10	6 31	6 2	5 37
					58	1 22	4 7	3 48	3 32	93	2 12	6 35	6 6	5 40
21	0 30	1 29	1 23	1 17	59	1 24	4 11	3 52	3 36	94	2 13	6 40	6 10	5 44
22	0 31	1 34	1 27	1 21	60	1 25	4 15	3 56	3 40	95	2 15	6 44	6 14	5 48
23	0 33	1 38	1 30	1 24										
24	0 34	1 42	1 34	1 28										
25	0 35	1 46	1 38	1 32	61	1 26	4 19	4 0	3 43	96	2 16	6 48	6 18	5 51
					62	1 28	4 24	4 4	3 47	97	2 17	6 52	6 22	5 55
26	0 37	1 51	1 42	1 35	63	1 29	4 28	4 8	3 51	98	2 19	6 57	6 26	5 59
27	0 38	1 55	1 46	1 39	64	1 31	4 32	4 12	3 54	99	2 20	7 1	6 29	6 2
28	0 40	1 59	1 50	1 42	65	1 32	4 36	4 16	3 58	100	2 22	7 5	6 33	6 6
29	0 41	2 3	1 54	1 46										
30	0 43	2 8	1 58	1 50										
					66	1 34	4 41	4 20	4 2	200	4 43	14 10	13 7	12 18
31	0 44	2 12	2 2	1 53	67	1 35	4 45	4 24	4 5	300	7 5	21 16	19 40	18 12
32	0 45	2 16	2 6	1 57	68	1 36	4 49	4 28	4 9	400	9 27	28 21		
33	0 47	2 20	2 10	2 1	69	1 38	4 53	4 31	4 13	500	11 49	35 26		
34	0 48	2 25	2 14	2 4	70	1 39	4 58	4 35	4 16	600	14 10	42 31		
35	0 50	2 29	2 18	2 8										
36	0 51	2 33	2 22	2 12	71	1 41	5 2	4 39	4 20	700	16 32	49 37		
37	0 52	2 37	2 26	2 15	72	1 42	5 6	4 43	4 24	800	18 54	56 42		
38	0 54	2 42	2 30	2 19	73	1 43	5 10	4 47	4 27	900	21 16	63 47		
39	0 55	2 46	2 33	2 23	74	1 45	5 15	4 51	4 31	1000	23 37	70 52		
40	0 57	2 50	2 37	2 26	75	1 46	5 19	4 55	4 35					



TABLE LXXI.

## THE EUROPEAN CALENDAR.

A. INITIAL DAYS OF CENTURIES, JULIAN AND GREGORIAN CALENDARS.														B. WEEK-DAYS FOR ONE YEAR. APPLICABLE TO BOTH OLD AND NEW STYLE DATES.																										
Odd years of centuries.	Centuries A.D.													Leap-years.	Months in Common-years.	S	Mo	Tu	W	Th	Fr	Sa	S	Mo	Tu	W	Th	Fr	Sa	S	Mo	Tu	W	Th	Fr	Sa	Months in Leap-years.			
	Old Style.							New Style.								Mo	Tu	W	Th	Fr	Sa	S	Mo	Tu	W	Th	Fr	Sa	S	Mo	Tu	W	Th	Fr	Sa					
	0	100	200	300	400	500	600	Sa	Fr	W	Mo	1500	Mo			Tu	W	Th	Fr	Sa	S	Mo	Tu	W	Th	Fr	Sa	S	Mo	Tu	W	Th	Fr	Sa						
	700	800	900	1000	1100	1200	1300	1600	1700	1800	1900	2000	2000			2100	2200	2300	2000	2100	2200	2300	2000	2100	2200	2300	2000	2100	2200	2300	2000	2100	2200	2300	2000	2100	2200	2300		
	1400	1500	1600	1700	1800	1900	2000	2000	2100	2200	2300	2000	2100			2200	2300	2000	2100	2200	2300	2000	2100	2200	2300	2000	2100	2200	2300	2000	2100	2200	2300	2000	2100	2200	2300			
Initial days.																																								
02856	84	Th	W	Tu	Mo	S	Sa	Fr	Sa	Th	Tu	S	L.Y.	Jan.	1	2	3	4	5	6	7		Jan.	1	2	3	4	5	6	7		Jan.	1	2	3	4	5	6	7	
12957	85	Sa	Fr	Th	W	Tu	Mo	S	Mo	Sa	Th	Tu	L.Y.	Oct.	8	9	10	11	12	13	14	Jan.	15	16	17	18	19	20	21	April.	22	23	24	25	26	27	28	July.		
23058	86	S	Sa	Fr	Th	W	Tu	Mo	Tu	S	Fr	W		Feb.	29	30	31						Feb.	5	6	7	8	9	10	11		Feb.	12	13	14	15	16	17	18	Feb.
33159	87	Mo	S	Sa	Fr	Th	W	Tu	W	Mo	Sa	Th		Mar.	19	20	21	22	23	24	25	Aug.	26	27	28	29	30	31		Mar.	5	6	7	8	9	10	11	18	Feb.	
43260	88	Tu	Mo	S	Sa	Fr	Th	W	Th	Tu	S	Fr	L.Y.	Nov.	12	13	14	15	16	17	18		Nov.	19	20	21	22	23	24	25		Nov.	26	27	28	29	30	31		Aug.
53361	89	Th	W	Tu	Mo	S	Sa	Fr	Sa	Th	Tu	S			26	27	28	29	30	31																				
63462	90	Fr	Th	W	Tu	Mo	S	Sa	S	Fr	W	Mo		April	2	3	4	5	6	7	8		April	9	10	11	12	13	14	15		April	16	17	18	19	20	21	22	Sept.
73563	91	Sa	Fr	Th	W	Tu	Mo	S	Mo	Sa	Th	Tu	L.Y.	July	16	17	18	19	20	21	22	Dec.	23	24	25	26	27	28	29		July	2	3	4	5	6	7	8		
83664	92	S	Sa	Fr	Th	W	Tu	Mo	Tu	S	Fr	W			30	31																								
93765	93	Tu	Mo	S	Sa	Fr	Th	W	Th	Tu	S	Fr	L.Y.																											
103866	94	W	Tu	Mo	S	Sa	Fr	Th	Fr	W	Mo	Sa		Aug.	6	7	8	9	10	11	12		Aug.	13	14	15	16	17	18	19		Aug.	20	21	22	23	24	25	26	May
113967	95	Th	W	Tu	Mo	S	Sa	Fr	Sa	Th	Tu	S			27	28	29	30	31																					
124068	96	Fr	Th	W	Tu	Mo	S	Sa	S	Fr	W	Mo	L.Y.																											
134169	97	S	Sa	Fr	Th	W	Tu	Mo	Tu	S	Fr	W		Sept.	13	14	15	16	17	18	19		Sept.	20	21	22	23	24	25	26		Sept.	27	28	29	30	31		May	
144270	98	Mo	S	Sa	Fr	Th	W	Tu	W	Mo	Sa	Th	L.Y.		27	28	29	30	31																					
154371	99	Tu	Mo	S	Sa	Fr	Th	W	Th	Tu	S	Fr																												
164472	100	W	Tu	Mo	S	Sa	Fr	Th	Fr	W	Mo	Sa	L.Y.	Sept.	3	4	5	6	7	8	9		Sept.	10	11	12	13	14	15	16		Sept.	17	18	19	20	21	22	23	June
174573		Fr	Th	W	Tu	Mo	S	Sa	S	Fr	W	Mo		Dec.	17	18	19	20	21	22	23	June	24	25	26	27	28	29	30		Dec.	3	4	5	6	7	8	9		
184674		Sa	Fr	Th	W	Tu	Mo	S	Mo	Sa	Th	Tu			31																									
194775		S	Sa	Fr	Th	W	Tu	Mo	Tu	Mo	Tu	W	L.Y.																											
204876		Mo	S	Sa	Fr	Th	W	Tu	W	Mo	Sa	Th	L.Y.	May.	7	8	9	10	11	12	13		May.	14	15	16	17	18	19	20		May.	21	22	23	24	25	26	27	Oct.
214977		W	Tu	Mo	S	Sa	Fr	Th	Fr	W	Mo	Sa			28	29	30	31																						
225078		Th	W	Tu	Mo	S	Sa	Fr	Sa	Th	Tu	S																												
235179		Fr	Th	W	Tu	Mo	S	Sa	S	Fr	W	Mo																												
245280		Sa	Fr	Th	W	Tu	Mo	S	Mo	Sa	Th	Tu	L.Y.	June	4	5	6	7	8	9	10	Mar.	11	12	13	14	15	16	17	Nov.	18	19	20	21	22	23	24			
255381		Mo	S	Sa	Fr	Th	W	Tu	W	Mo	Sa	Th			25	26	27	28	29	30	31		June	1	2	3	4	5	6	7		June	8	9	10	11	12	13	14	
265482		Tu	Mo	S	Sa	Fr	Th	W	Th	Tu	S	Fr																												
275583		W	Tu	Mo	S	Sa	Fr	Th	Fr	W	Mo	Sa																												

To find the initial day of a given year A.D. take the day marked in Section A, perpendicular under the given century and horizontal opposite the given year. Note this initial day in column 2 of the heading of Section B. Find the given day of month in the body of Section B. Run up to the week-day in horizontal line with the initial day in the heading. The day so found is the week-day of the given day of month and year.

E.g. Wanted week-day of 23rd March, A.D. 645. At junction of century 600 (perpendicular) and 45 (horizontal) in Section A is Saturday. This was the initial day of A.D. 645. The year was common. The week-day noted in the heading of Section B at the junction of 23rd March (perpendicular) and of "Sa." in column 2 of heading (horizontal) is "W," Wednesday. Therefore 23rd March, A.D. 645, was a Wednesday.

In common years work with the month on left, in leap-years with that on right.

N. B.—In the New Style the years 1600 and 2000 are leap-years, but 1700, 1800, 1900 are common years. The initial week-day of the first year of each New Style century is given above it in heading of Section A. For the initial week-day of other years of the century look for the day in the junction of columns as mentioned above; e.g., A.D. 1900 began (top) on Monday. 1901 began (junction of columns) on Tuesday. 1928 begins on Sunday. 1919 began on Wednesday.

TABLE LXXII.

VALUE OF  $a$ ,  $b$ ,  $c$  AT BEGINNING OF CENTURIES OF THE KALIYUGA BY THE FIRST ĀRYA-SIDDHĀNTA AT MEAN SUNRISE ON DAY OF OCCURRENCE OF MEAN MESHA-SAMKRANTI, WHICH IS THE MOMENT WHEN MEAN SUN REACHES LONGITUDE  $0^\circ$ .

Century.	Week day.	$a$ .	$b$ .	$c$ .
36	0	7177-6056	135-4688	279-9111
37	0	6045-4346	723-3175	280-2723
38	0	4913-2637	311-1661	280-6336
39	0	3781-0927	899-0148	280-9948
40	0	2648-9218	486-8635	281-3560
41	0	1516-7509	74-7121	281-7172
42	0	384-5799	662-5608	282-0784
43	6	8913-7771	214-1179	279-7019
44	6	7781-6062	801-9065	280-0631
45	6	6649-4352	380-8152	280-4243
46	6	5517-2643	977-6639	280-7855
47	6	4385-0933	565-5125	281-1467
48	6	3252-9224	153-3612	281-5079

*N. B.—The value of  $b$ , the ☾'s mean anomaly, is given as estimated by Professor Jacobi. The present author estimates its value as less than the given amount by 3-6. In a very close case both valuations may be tried.*

TABLE LXXIII.

MEAN SUNRISE VALUE OF  $a$ ,  $b$ ,  $c$  FOR YEARS OF THE K. Y. CENTURY BY THE ĀRYA-SIDDHĀNTA.

\* Years thus marked are years of 366 days, the rest of 365 each.

Year.	W-d.	$a$ .	$b$ .	$c$ .	Year.	W-d.	$a$ .	$b$ .	$c$ .
0	0	0	0	0	50	0	4433-9145	793-9243	0-1806
1	1	3600-0340	246-4427	999-2918	51	1	8034-5185	40-3670	999-4724
*2	2	7201-2680	492-8853	998-5836	*52	2	1635-1825	286-8097	998-7642
3	4	1140-5339	775-6196	0-6131	53	4	5574-4484	569-5439	0-7938
4	5	4741-1679	22-0623	999-9049	54	5	9175-0824	815-9866	0-0855
5	6	8341-8019	268-5049	999-1967	55	6	2775-7164	62-4293	999-3773
*6	0	1942-4359	514-9476	998-1885	*56	0	6376-3504	308-8719	998-6691
7	2	5881-7018	797-6819	0-5181	57	2	315-6163	591-6062	0-6987
8	3	9482-3358	44-1246	999-8099	58	3	3916-2503	838-0489	999-9905
9	4	3082-9698	290-5672	999-1017	59	4	7516-8843	84-4916	999-2823
*10	5	6683-6038	537-0099	998-3934	*60	5	1117-5183	330-9312	998-5741
11	0	622-8697	819-7442	0-4230	61	0	5056-7842	613-6685	0-6036
12	1	4223-5037	66-1868	999-7148	62	1	8657-4182	860-1112	999-8954
*13	2	7824-1377	312-6295	999-0066	63	2	2258-0522	106-5538	999-1872
14	4	1763-4035	595-3638	1-0362	*64	3	5858-6862	352-9965	998-4790
15	5	5364-0375	841-8065	0-3280	65	5	9797-9521	635-7308	0-5086
16	6	8964-6716	88-2491	999-6197	66	6	3398-5861	882-1735	999-8001
*17	0	2565-3056	334-6918	998-9115	67	0	6999-2201	128-6161	999-0921
18	2	6504-5714	617-4261	0-9411	*68	1	599-8541	375-0588	998-3839
19	3	105-2054	863-8687	0-2329	69	3	4539-1200	657-7931	0-4135
20	4	3705-8394	110-3114	999-5247	70	4	8139-7540	904-2357	999-7053
*21	5	7306-4734	356-7541	998-8165	*71	5	1740-3880	150-6784	998-9971
22	0	1245-7393	639-4884	0-8460	72	0	5679-6539	433-4127	1-0267
23	1	4846-3733	885-9310	0-1378	73	1	9280-2879	679-8554	0-3181
24	2	8447-0073	132-3737	999-4296	74	2	2880-9219	926-2980	999-6102
*25	3	2047-6413	378-8164	998-7214	*75	3	6481-5559	172-7407	998-9020
26	5	5986-9072	661-5506	0-7510	76	5	420-8217	455-4750	0-9316
27	6	9587-5412	907-9933	0-0428	77	6	4021-4557	701-9176	0-2234
28	0	3188-1752	154-4360	999-3316	78	0	7622-0897	948-3603	999-5152
*29	1	6788-8092	400-8786	998-6263	*79	1	1222-7238	194-8030	998-8070
30	3	728-0751	683-6129	0-6559	80	3	5161-9896	477-5372	0-8365
31	4	4328-7091	930-0556	999-9477	81	4	8762-6236	723-9799	0-1283
32	5	7929-3431	176-4982	999-2395	82	5	2363-2576	970-4226	999-4201
*33	6	1529-9771	422-9409	998-5313	*83	6	5963-8916	216-8652	998-7119
34	1	5469-2430	705-6752	0-5609	84	1	9903-1575	499-5995	0-7415
35	2	9069-8770	952-1179	999-8526	85	2	3503-7915	746-0422	0-0332
36	3	2670-5110	198-5605	999-1444	86	3	7104-4255	992-4819	999-3250
*37	4	6271-1450	445-0032	998-4362	*87	4	705-0595	238-9275	998-6108
38	6	210-4109	727-7375	0-4658	88	6	4644-3254	521-6618	0-6404
39	0	3811-0449	974-1801	999-7576	89	0	8244-9594	768-1045	999-9382
40	1	7411-6789	220-6228	999-0494	90	1	1845-5934	14-5471	999-2300
*41	2	1012-3129	467-0655	998-3412	*91	2	5446-2274	260-9898	998-5218
42	4	4951-5788	749-7998	0-3707	92	4	9385-4033	543-7241	0-5513
43	5	8552-2128	996-2424	999-6625	93	5	2986-1273	790-1668	999-8431
*44	6	2152-8468	242-6851	998-9543	94	6	6586-7613	36-6094	999-1349
45	1	6092-1126	525-4194	0-9839	*95	0	187-3953	283-0521	998-4267
46	2	9692-7466	771-8620	0-2757	96	2	4126-6612	565-7864	0-4563
47	3	3293-3806	18-3047	999-5675	97	3	7727-2952	812-2290	999-7481
*48	4	6894-0147	264-7474	998-8592	98	4	1327-9292	58-6717	999-0398
49	6	833-2805	547-4817	0-8888	*99	5	4928-5632	305-1144	998-3316
50	0				100	0	8867-8291	587-8487	0-3612

TABLE LXXIV.

DAILY VALUES OF *a*, *b*, *c* FROM 0 MINA TO 2 MĒSHA.

For calculation of their value at mean sunrise on the day Chaitra Sukla I.

Interval of days from true Mēsha-samkranti.	Day of Solar month.		Week day.	<i>a</i> .	<i>b</i> .	<i>c</i> .
1	2		3	4	5	6
30	Mina	0	3	9163-7800	838-6681	912-3908
29	"	1	4	9502-4119	874-9597	915-1286
28	"	2	5	9841-0438	911-2513	917-8664
27	"	3	6	179-6756	947-5429	920-6042
26	"	4	0	518-3075	983-8345	923-3420
25	"	5	1	856-9394	26-1262	926-0798
24	"	6	2	1195-5713	56-4178	928-8176
23	"	7	3	1534-2032	92-7094	931-5554
22	"	8	4	1872-8350	129-0010	934-2931
21	"	9	5	2211-4669	165-2927	937-0309
20	"	10	6	2550-0988	201-5843	939-7687
19	"	11	0	2888-7306	237-8759	942-5065
18	"	12	1	3227-3625	274-1675	945-2443
17	"	13	2	3565-9944	310-4591	947-9821
16	"	14	3	3904-6263	346-7508	950-7199
15	"	15	4	4243-2581	383-0424	953-4576
14	"	16	5	4581-8900	419-3340	956-1954
13	"	17	6	4920-5219	455-6256	958-9332
12	"	18	0	5259-1538	491-9173	961-6710
11	"	19	1	5597-7856	528-2089	964-4088
10	"	20	2	5936-4175	564-5005	967-1466
9	"	21	3	6275-0494	600-7921	969-8844
8	"	22	4	6613-6813	637-0838	972-6221
7	"	23	5	6952-3131	673-3754	975-3599
6	"	24	6	7290-9450	709-6670	978-0977
5	"	25	0	7629-5769	745-9586	980-8355
4	"	26	1	7968-2088	782-2503	983-5733
3	"	27	2	8306-8406	818-5419	986-3111
2	"	28	3	8645-4725	854-8335	989-0489
1	"	29	4	8984-1044	891-1251	991-7866
	Mēsha	0	5	9322-7363	927-4168	994-5244
	"	1	6	9661-3681	963-7084	997-2622
	"	2	0	0	0	0

The figures for Mēsha 0 are those for mean sunrise on the day when true Mēsha-samkrānti occurred, i.e., on the day when true sun reached long. 0°.

The table serves equally for calculation from the day of mean Mēsha-samkrānti by noting the interval of days.

TABLE LXXV.

MOON'S EQUATION OF CENTRE BY THE FIRST ĀRYA-SIDDHĀNTA.

(For equation of sun's centre see Table XLVII, Vol. XIV above.)

Serial No. of sine.	Moon's mean anomaly.		SINE OF MEAN ANOM. ANGLE.		EQUATION.			Moon's mean anomaly.		Serial No. of sine.
			Value in mi- nutes.	Diff. erence.	Equation in degrees.	Diff. per minute of anom.	Equation in 10,000th of circle.			
1	2		3	4	5	6	7	8		1
0	0° 0'	180° 0'	0'	225	0° 0' 0"	5.250	0	180° 0'	360° 0'	0
1	3 45	176 15	225	224	0 19 41.25	5.226	9.114583	183 45	356 15	1
2	7 30	172 30	449	222	0 39 17.25	5.180	18.188657	187 30	352 30	2
3	11 15	168 45	671	219	0 58 42.75	5.110	27.181713	191 15	348 45	3
4	15 0	165 0	890	215	1 17 52.5	5.016	36.053240	195 0	345 0	4
5	18 45	161 15	1105	210	1 36 41.25	4.900	44.762730	198 45	341 15	5
6	22 30	157 30	1315	205	1 55 3.75	4.783	53.269675	202 30	337 30	6
7	26 15	153 45	1520	199	2 13 0.0	4.643	61.574074	206 15	333 45	7
8	30 0	150 0	1719	191	2 30 24.75	4.456	69.635415	210 0	330 0	8
9	33 45	146 15	1910	183	2 47 7.5	4.270	77.372684	213 45	326 15	9
10	37 30	142 30	2093	174	3 3 8.25	4.060	84.785878	217 30	322 30	10
11	41 15	138 45	2267	164	3 18 21.75	3.926	91.834490	221 15	318 45	11
12	45 0	135 0	2431	154	3 32 42.75	3.5947	98.478009	225 0	315 0	12
13	48 45	131 15	2585	143	3 46 11.5681	3.3516	104.718890	228 45	311 15	13
14	52 30	127 30	2728	131	3 58 45.6696	3.0603	110.537572	232 30	307 30	14
15	56 15	123 45	2859	119	4 10 16.4900	2.7979	115.867978	236 15	303 45	15
16	60 0	120 0	2978	106	4 20 44.0290	2.4844	120.710099	240 0	300 0	16
17	63 45	116 15	3084	93	4 30 3.0134	2.1797	125.023250	243 45	296 15	17
18	67 30	112 30	3177	79	4 38 13.4431	1.8416	128.807432	247 30	292 30	18
19	71 15	108 45	3256	65	4 45 10.0446	1.5234	132.021949	251 15	288 45	19
20	75 0	105 0	3321	51	4 50 52.8179	1.1953	134.666805	255 0	285 0	20
21	78 45	101 15	3372	37	4 55 21.7634	0.8672	136.742001	258 45	281 15	21
22	82 30	97 30	3409	22	4 58 36.8804	0.5156	138.247533	262 30	277 30	22
23	86 15	93 45	3431	7	5 0 32.8962	0.1641	139.142717	266 15	273 45	23
24	90 0	90 0	3438		5 1 9.8103		139.427548	270 0	270 0	24



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| Vittorio Emmanuele Library, Rome.   | University Library, Tübingen, Germany.                                 |
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| Royal Asiatic Society, No. 22, Albemarle Street, London.                    | Royal Academy of Hungary, Buda-Pest.                                   |
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| Indian Institute, Oxford.   | Library of the Oriental Department of the British Museum, London, W.C. |
| Société Asiatique, c/o E. Leroux, 28, Rue Bonaparte, Paris.                 | National Museum, Copenhagen, Denmark.                                  |
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| American Oriental Society, New Haven, Connecticut, U. S. America.           | Asiatic Society of Japan, Tokio.                                       |
| Royal Society of Antiquaries, Edinburgh.                                    | North China Branch of the Royal Asiatic Society, Shanghai.             |
| Royal Society of Antiquaries, Ireland, 17, Highfield Road, Rathgar, Dublin. | Smithsonian Institution, Washington, D. C., U. S. A.                   |
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## INDIA.

- |   |  |
|---|--|
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| Literary and Scientific Society, ditto.             | Scottish Churches College Library, Calcutta.           |
| Secretariat Library, Bombay.                        | Hooghly College Library, Chinsurah.                    |
| University Library, ditto.                          | Chittagong College Library, Chittagong.                |
| Anandashram Sanskrit Series, Poona City.            | Rajshahi College Library, Rajshahi.                    |
| Bombay Branch of the Royal Asiatic Society, Bombay. | Provincial Library, Dacca.                             |
| Secretariat Library, Calcutta.                      | Varendra Research Society, Rajshahi.                   |
| Indian Museum, ditto.                               | Secretariat Library, Bihar and Orissa.                 |
| University Library, ditto.                          | Patna College Library, Bankipore.                      |
| Sanskrit College Library, Calcutta.                 | Agra College Library, Agra.                            |
| Presidency College Library, ditto.                  | Muir Central College Library, Allahabad.               |
| Asiatic Society of Bengal, ditto.                   | Panini Office, Allahabad.                              |
| Secretariat Library, Allahabad.                     | Central Hindu College Library, Benares.                |
| University Library, ditto.                          | Queen's College Library, Benares.                      |
| Provincial Museum, Lucknow.                         | Canning College Library, Lucknow.                      |
| Sanskrit College Library, Benares.                  | Archæological Museum Library, Muttra.                  |
| Secretariat Library, Lahore.                        | Forman Christian College Library, Lahore.              |
| Museum Library, ditto.                              | Government College Library, Lahore.                    |
| University Library, ditto.                          | Punjab Historical Society, Lahore.                     |
| Oriental College Library, Lahore.                   | Punjab Public Library, Lahore.                         |
| Secretariat Library, Nagpur.                        | Museum Library, Delhi.                                 |
| Museum Library, ditto.                              | Public Library, Delhi.                                 |
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| Government College Library, Kumbakonam.             | Government College Library, Jubbulpore.                |
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| Maharajah's College Library, Vizayanagaram.         | Bhuri Singh Museum Library, Chamba.                    |
| Elphinstone College Library, Bombay.                | Indian Antiquary, c/o the British India Press, Madras. |
| Prince of Wales Museum Library, Bombay.             | Bombay.  |



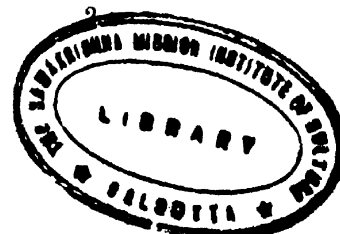
LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR			LUNI-SOLAR YEAR (MEAN SUNRISE OF DAY ON WHICH CHAITRA ŚUKLA 1 ENDED).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	
28 Mar. (88)	2 Mon.	H. M. S. 22 50 0	28 Mar. (88)	2 Mon.	9882-1321	437-5321	274-8488	4822

## ERRATUM.

In binding Vol. XVI of the *Epigraphia Indica*, subscribers are requested to omit pages 193 to 221 printed and issued with Part IV, since these same have been issued again with the corrections of the author in Part V.

29 Mar. (88)	5 Thur.	7 32 30	5 Mar. (64)	2 Mon.	9917-7367	915-4542	210-8864	4835
29 Mar. (88)	6 Fri.	13 45 0	24 Mar. (83)	1 Sun.	9952-3763	851-4377	262-1960	4836
29 Mar. (88)	0 Sat.	19 57 30	14 Mar. (73)	6 Fri.	166-6915	734-9641	234-1099	4837
29 Mar. (89)	2 Mon.	2 10 0	2 Mar. (62)	3 Tues.	42-3749	582-1989	203-2861	4838
29 Mar. (88)	3 Tues.	8 22 30	21 Mar. (80)	2 Mon.	77-0146	518-1725	254-5958	4839
29 Mar. (88)	4 Wed.	14 35 0	10 Mar. (69)	6 Fri.	9952-6979	365-4172	223-7720	4840
29 Mar. (88)	5 Thur.	20 47 30	29 Mar. (88)	5 Thur.	9987-3376	301-4008	275-1017	4841
29 Mar. (89)	0 Sat.	3 0 0	17 Mar. (77)	2 Mon.	9863-0209	148-6356	244-2579	4842
29 Mar. (88)	1 Sun.	9 12 30	7 Mar. (66)	0 Sat.	77-3362	31-1620	216-1717	4843
29 Mar. (88)	2 Mon.	15 25 0	26 Mar. (85)	6 Fri.	111-9758	968-1455	267-4815	4844
29 Mar. (88)	3 Tues.	21 37 30	15 Mar. (74)	3 Tues.	9987-6592	815-3803	236-6576	4845
29 Mar. (89)	5 Thur.	3 50 0	4 Mar. (64)	1 Sun.	201-9744	698-9068	208-5707	4846



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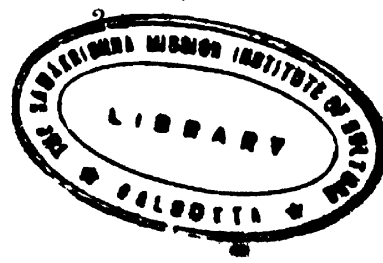
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The Mythic Society, Bangalore.  
Department of Education Library, Delhi.  
Government College Library, Kumbakonam.  
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Sanskrit College Library, Myslapore.  
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LXI—Contd.

COMMENCEMENT OF THE								
SOLAR YEAR			LUNI-SOLAR YEAR (MEAN SUNRISE OF DAY ON WHICH CHAITRA ŚUKLA 1 ENDED).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	
		H. M. S.						
28 Mar. (88)	2 Mon. .	22 50 0	28 Mar. (88)	2 Mon. .	9882-1321	437-5321	274-8488	4822
29 Mar. (88)	4 Wed.	5 2 30	17 Mar. (70)	6 Fri. .	9757-8155	284-7669	244-0249	4823
29 Mar. (88)	5 Thur.	11 15 0	7 Mar. (66)	4 Wed.	9972-1307	168-2932	215-9388	4824
29 Mar. (88)	6 Fri. .	17 27 30	26 Mar. (85)	3 Tues.	6-7703	104-2768	267-2486	4825
28 Mar. (88)	0 Sat. .	23 40 0	14 Mar. (74)	0 Sat. .	9882-4537	951-5116	236-4247	4826
29 Mar. (88)	2 Mon.	5 52 30	4 Mar. (63)	5 Thur.	96-7690	835-0380	208-3387	4827
29 Mar. (88)	3 Tues.	12 5 0	23 Mar. (82)	4 Wed.	131-4086	771-0215	259-6184	4828
29 Mar. (88)	4 Wed.	18 17 30	12 Mar. (71)	1 Sun. .	7-0920	618-2563	228-8246	4829
29 Mar. (89)	6 Fri. .	0 30 0	29 Feb. (60)	5 Thur.	9882-7754	465-4911	198-0006	4830
29 Mar. (88)	0 Sat. .	6 42 30	19 Mar. (78)	4 Wed.	9917-4150	401-1746	249-3104	4831
29 Mar. (88)	1 Sun. .	12 55 0	8 Mar. (67)	1 Sun. .	9793-0984	248-7095	218-4865	4832
29 Mar. (88)	2 Mon. .	19 7 30	27 Mar. (86)	0 Sat. .	9827-7380	184-6929	269-7963	4833
29 Mar. (89)	4 Wed.	1 20 0	16 Mar. (76)	5 Thur.	42-0533	68-2194	241-7102	4834
29 Mar. (88)	5 Thur.	7 32 30	5 Mar. (64)	2 Mon. .	9917-7367	915-4542	210-8864	4835
29 Mar. (88)	6 Fri. .	13 45 0	24 Mar. (83)	1 Sun. .	9952-3703	851-4377	262-1960	4836
29 Mar. (88)	0 Sat. .	19 57 30	14 Mar. (73)	6 Fri. .	166-6915	734-9641	234-1099	4837
29 Mar. (89)	2 Mon. .	2 10 0	2 Mar. (62)	3 Tues.	42-3749	582-1989	203-2861	4838
29 Mar. (88)	3 Tues.	8 22 30	21 Mar. (80)	2 Mon. .	77-0146	518-1725	254-5958	4839
29 Mar. (88)	4 Wed.	14 35 0	10 Mar. (69)	6 Fri. .	9952-6979	365-4172	223-7720	4840
29 Mar. (88)	5 Thur.	20 47 30	29 Mar. (88)	5 Thur.	9987-3376	301-4008	275-1017	4841
29 Mar. (89)	0 Sat. .	3 0 0	17 Mar. (77)	2 Mon. .	9863-0209	148-6356	244-2579	4842
29 Mar. (88)	1 Sun. .	9 12 30	7 Mar. (66)	0 Sat. .	77-3362	31-1620	216-1717	4843
29 Mar. (88)	2 Mon. .	15 25 0	26 Mar. (85)	6 Fri. .	111-9758	968-1455	267-4815	4844
29 Mar. (88)	3 Tues.	21 37 30	15 Mar. (74)	3 Tues.	9987-6592	815-3803	236-6576	4845
29 Mar. (89)	5 Thur.	3 50 0	4 Mar. (64)	1 Sun. .	201-9744	698-9068	208-5707	4846



TABLE

CONCURRENT YEAR.								INTERCALATED ( <i>adhika</i> ) and SUPPRESSED ( <i>kshaya</i> ) LUNAR MONTHS (true).
Kali.	Saka.	Chaitradi Vikrama.	Mēshādi solar year in Bengal.	Kollam.	A.D.	JOVIAN SAMVATSARA.		
						Southern system.	Northern system.	
1	2	3	3a	4	5	6	7	8
4847	1668	1803	1152	920-21	1745-46	59 Krōdhana .	9 Yuvan . .	...
4848	1669	1804	1153	921-22	1746-47	60 Kshaya .	10 Dhātṛi . .	...
4849	1670	1805	1154	922-23	1747-48	1 Prabhava .	11 Ísvara . .	1 Chaitra .
4850	1671	1806	1155	923-24	1748-49	2 Vibhava .	12 Bahudhānya .	...
4851	1672	1807	1156	924-25	1749-50	3 Śukla .	13 Pramāthin .	6 Bahudhānya
4852	1673	1808	1157	925-26	1750-51	4 Pramōda .	14 Vikrama .	...

LXI—Concl'd.

COMMENCEMENT OF THE								
SOLAR YEAR.			LUNI-SOLAR YEAR (MEAN SUNRISE OF DAY ON WHICH CHAITRA ŚUKLA 1 ENDED).					Kali.
Day and month, A.D.	Week-day.	Time of true Mēsha-samkrānti.	Day and month, A.D.	Week-day.	a.	b.	c.	
13	14	17	19	20	23	24	25	1
		H. M. S.						
29 Mar. (88)	6 Fri. .	10 2 30	23 Mar. (82)	0 Sat. .	236-6140	634-8002	259-8813	4847
29 Mar. (88)	0 Sat. .	16 15 0	12 Mar. (71)	4 Wed.	112-2974	482-1250	229-0575	4848
29 Mar. (88)	1 Sun. .	22 27 30	1 Mar. (60)	1 Sun. .	9987-0809	329-3599	198-2335	4849
29 Mar. (89)	3 Tues.	4 40 0	19 Mar. (79)	0 Sat. .	22-0204	265-3434	249-5433	4850
29 Mar. (88)	4 Wed.	10 52 30	8 Mar. (67)	4 Wed.	9898-3038	112-5782	219-7194	4851
29 Mar. (88)	5 Thur.	17 5 0	27 Mar. (86)	3 Tues.	9932-9434	48-5617	270-0292	4852

TABLE LXII.

NAMES OF MONTHS AND NAKSHATRAS.

(Corresponding to Table II, Part II, "Indian Calendar.")

LUNAR MONTHS.			SOLAR MONTHS.					
No.	Usual name.	Tamil name.	No.	Sign name.	Bengal name.	Tamil name.	Malayālam name.	Orissa name.
1	2	3	4	5	6	7	8	9
1	Chaitra .	Paggu .	1	Mēsha .	Vaiśākha .	Chittirai .	Mēdam .	Baiśāk
2	Vaiśākha .	Bēsa .	2	Vriṣhabha .	Jyēsthā .	Vaikaṣi <sup>1</sup> .	Edavam .	Joisthō.
3	Jyēsthā .	Kārtelu .	3	Mithuna .	Āshāḍha .	Āni .	Midunam .	Assar.
4	Āshāḍha .	Āti .	4	Karka .	Śrāvaṇa .	Ādi .	Karkadagam .	Sawun.
5	Śrāvaṇa .	Sōna .	5	Simha .	Bhādrapada .	Āvani .	Chingam .	Bhādros.
6	Bhādrapada .	Nirṇāla .	6	Kanyā .	Āśvina .	Purattādi <sup>2</sup> .	Kanni .	Assin.
7	Āśvina .	Bontolu .	7	Tulā .	Kārttika .	Aippasi <sup>3</sup> .	Tulām .	Kārttik.
8	Kārttika .	Jardo .	8	Vriśchika .	Mārgasira .	Kārttigai .	Vriśchikam .	Āghrān.
9	Mārgasira .	Perārde .	9	Dhanus .	Pausha .	Mārgaṇi .	Dhanu .	Paus.
10	Pausha .	Pūntolu .	10	Makara .	Māgha .	Tai .	Makaram .	Māgha.
11	Māgha .	Māyi .	11	Kumbha .	Phālguna .	Māsi .	Kumbham .	Falgun.
12	Phālguna .	Suggi .	12	Mina .	Chaitra .	Paṅguni .	Minam .	Choitro.

<sup>1</sup> or Vaiyāsi.<sup>2</sup> or Purattāsi.<sup>3</sup> or Ārppisi, or Appisi.NAKSHATRAS.<sup>1</sup>

No.	Name.	Tamil name.	Deity.	No.	Name.	Tamil name.	Deity.
1	Āśvini .	Asuvati .	Āśvin.	15	Svāti .	Sōdi .	Vāyu.
2	Bharani .	Bharani .	Yama.	16	Viśākhā .	Viśakam .	Indrāgnī.
3	Krittikā .	Kiruttigai .	Agni.	17	Anurādhā .	Anusham, or Anilum.	Mitra.
4	Rohini .	Rohini .	Prajāpati.	18	Jyēsthā .	Kēttai .	Indra.
5	Mīgasira .	Mirugusiram .	Sōma.	19	Mūla .	Mūlam .	Nirriti.
6	Ārūrā .	Ārudra, or Tiruvādirai.	Rudra.	20	Pūrva-Āshādhā.	Pūrādam .	Āpaḥ.
7	Punarvasu .	Punarpūsam .	Aditi.	21	Uttara-Āshādhā.	Uttirādam .	Viśvadeva.
8	Pushya .	Pūsam .	Bṛihaspati	22	Abhijit .	...	Brahman.
9	Āślēshā .	Āyilyam .	Sarpāḥ.	23	Śrāvaṇa .	Tiruvōnam .	Vishnu.
10	Maghā .	Magham .	Pitarāḥ.	24	Dhanishthā or Śravishthā.	Avittam .	Vasavah.
11	Pūrva-Phalguni .	Pūram .	Bhāga.	25	Śatabhishaj or Śatatārakā.	Sadayam .	Varuṇa.
12	Uttara-Phalguni .	Uttiram .	Āryaman.	26	Pūrva-Bhādrapadā.	Pūrattādi .	Aja Ekapād
13	Hastā .	Hastam or Atam.	Savitṛi.	27	Uttara-Bhādrapadā.	Uttirattādi .	Ahi Budhnya.
14	Chitrā .	Chittirai .	Tvasṭṛi.		Rēvatī .	Rēvatī .	Pūshan.

<sup>1</sup> Tamil names and those of Deities are borrowed from Dewan Bahadur L. D. Swamikannu Pillai's "Indian Chronology."

TABLE LXIII A.

(Corresponding to Table III, Part I, "Indian Calendar.")

COLLECTIVE DURATION OF MEAN LUNAR MONTHS.

LUNI-SOLAR YEAR (CHAITRĀDI).				
Serial number.	Name of month.	COLLECTIVE DURATION FROM BEGINNING OF YEAR TO END OF EACH <i>mean</i> LUNAR MONTH.		
		Exactly in Tithis.	In civil days.	
			Approximate.	Exact.
1	2	3	3a	3b
1	Chaitra . . .	30	30	29·53
2	Vaiśākha . . .	60	59	59·06
3	Jyēṣṭha . . .	90	89	88·59
4	Āshāḍha . . .	120	118	118·12
5	Śrāvaṇa . . .	150	148	147·65
6	Bhādrapada . . .	180	177	177·18
7	Āśvina . . .	210	207	206·71
8	Kārttika . . .	240	236	236·24
9	Mārgaśira . . .	270	266	265·77
10	Pauṣa . . .	300	295	295·30
11	Māgha . . .	330	325	324·83
12	Phālguna . . .	360	354	354·36
	In intercalary years.	390	384	383·89

TABLE

DURATION AND COLLECTIVE DURATION OF TRUE SOLAR MONTHS, WITH INCREASE

The values are those

“W. D.”—Week-day. *a* in 10,000ths

(This Table supersedes Table XVIII A, “Indian

Luni-solar months ending at the second of the two solar samkrāntis with which it is connected.	At the true solar samkrānti.	Collective duration in days, hours, etc., and collective increase of <i>a</i> , <i>b</i> , <i>c</i> from true Mēsha-samkrānti to each true samkrānti.							
		D.	W-D.	H.	M.	S.	<i>a</i>	<i>b</i>	<i>c</i>
1	2	3					4	5	6
1. Chaitra . . .	{ Mina-s. (of previous year).								
2. Vaiśākha . . .	{ Mēsha-samkr. .	0	(0)	0	0	0	0	0	0
3. Jyēṣṭha . . .	{ Vṛishabha-samkr. .	30	(2)	22	11	6-99	471-9831	122-2961	84-6643
4. Āshāḍha . . .	{ Mithuna-samkr. .	62	(6)	7	47	43-05	1105-1653	261-8682	170-6310
5. Śrāvaṇa . . .	{ Karka-samkr. .	93	(2)	22	22	0-37	1808-3520	408-9426	257-1654
6. Bhādrapada . . .	{ Simha-samkr. .	125	(6)	9	34	40-40	2464-1251	550-9358	343-3157
7. Āsvina . . .	{ Kanyā-samkr. .	156	(2)	10	24	24-88	2973-4105	677-2297	428-2817
8. Kārttika . . .	{ Tulā-samkr. .	186	(4)	21	21	37-82	3286-9182	782-5419	511-6648
9. Margasīrsha . . .	{ Vṛiśchika-samkr. .	216	(6)	19	2	43-34	3413-2087	867-7898	593-5344
10. Pausha . . .	{ Dhanus-samkr. .	246	(1)	7	15	59-08	3405-9677	938-7268	674-3243
11. Māgha . . .	{ Makara-samkr. .	275	(2)	15	41	4-81	3345-0707	3-9135	754-6804
12. Phālguna . . .	{ Kumbha-samkr. .	305	(4)	2	39	12-57	3320-1612	72-9570	835-3275
1. Chaitra (of fol- lowing year).	{ Mina-samkr. .	334	(5)	22	4	5-29	3414-4196	154-7719	916-9379
	{ Mēsha-samkr. (of following year.	365	(1)	6	12	30-0	3688-2315	255-8299	1000-0

## NOTE.

EXACT VALUE OF “*c*” AND OF “EQUATION *c*” AT THE  
SEVERAL TRUE SAMKRĀNTIS IN EACH YEAR.

Samkrānti.	<i>c</i> .	Eqn. <i>c</i> .
1. Mēsha-samkr. .	277-4558	0-9119
2. Vṛishabha-samkr. .	362-1201	14-2168
3. Mithuna-samkr. .	448-0877	40-5649
4. Karka-samkr. .	534-6212	72-5193
5. Simha-samkr. .	620-7715	100-7366
6. Kanyā-samkr. .	705-7375	117-0626
7. Tulā-samkr. .	789-1206	117-5601
8. Vṛiśchika-samkr. .	870-9902	102-9215
9. Dhanus-samkr. .	951-7801	77-4872
10. Makara-samkr. .	32-1362	47-7147
11. Kumbha-samkr. .	112-7833	20-8518
12. Mina-samkr. .	194-3937	3-6236



## LXIII B.

OF  $a$ ,  $b$ ,  $c$ , AT EACH SAMKRĀNTI BY THE FIRST ĀRYA-SIDDHANTA.

fixed by M. de Ries.

of circle;  $b$  and  $c$  in 1,000ths.

*Chronography*, "p. 132, and *"Indian Calendar," Table III, Part II.*

At true solar sam- krānti.	Length of month preceding each true samkrānti and increase of <i>a</i> , <i>b</i> , <i>c</i> , between each true samkrānti.							
	D.	W-D.	H.	M.	S.	<i>a</i> .	<i>b</i> .	<i>c</i> .
7	8					9	10	11
Mōsha-samkr. . .	0	0	0	0	0	0	0	0
Vṛishabha-samkr. .	30	(2)	22	11	6-99	471-9831	122-2964	84-6643
Mithuna-samkr. . .	31	(3)	9	36	36-06	633-1822	139-5721	85-9676
Karka-samkr. . .	31	(3)	14	34	17-32	703-1867	147-0744	86-5335
Simha-samkr. . .	31	(3)	11	12	40-02	655-7731	141-9932	86-1503
Kanyā-samkr. . .	31	(3)	0	49	44-48	509-2854	126-2939	84-9660
Tulā-samkr. . .	30	(2)	10	57	12-04	313-5077	105-3122	83-3831
Vṛishika-samkr. .	29	(1)	21	41	5-52	126-2905	85-2479	81-8696
Dhanus-samkr. . .	29	(1)	12	13	15-74	9992-7590	70-9370	80-7890
Makara-samkr. . .	29	(1)	8	25	5-73	9939-1030	65-1867	80-3561
Kumbha-samkr. . .	29	(1)	10	58	7-76	9975-0905	69-0435	80-6471
Mīna-samkr. . .	29	(1)	19	24	52-72	94-2584	81-8149	81-6104
Mēsha-samkr. (of follow- ing year).	30	(2)	8	8	24-71	273-8119	101-0580	83-0622

TABLE LXIV.

INCREASE OF  $a$ ,  $b$ ,  $c$  IN DAYS OF 24 HOURS EACH BY THE FIRST ĀRYA-SIDDHANTA WITH LALLA'S BIJA.

$a$  in 10,000ths;  $b$  and  $c$  in 1,000ths of circle.

*This Table corresponds to Table IV, "Indian Calendar."*

Increase in	$a$ .	$b$ .	$c$ .
One day . . . . .	338-631873982	36-291623738	2-737785720
One year of 365 days . . . . .	3600-634003430	246-442664370	999-291787800
One year of 366 days . . . . .	3939-265877412	282-734288108	2-029573520
One century of 36,525 days . . . . .	8529-197184659	551-557045243	997-623429986
One century of 36,526 days . . . . .	8867-829058641	587-848668981	0-361215706

DAYS OF 24 HOURS EACH.

No.	Week day.	$a$ .	$b$ .	$c$ .	No.	Week day.	$a$ .	$b$ .	$c$ .
1	2	3	4	5	1	2	3	4	5
1	1	338-6319	36-2916	2-7378	31	3	497-5881	125-0403	84-8714
2	2	677-2637	72-5832	5-4756	32	4	836-2200	161-3320	87-6091
3	3	1015-8956	108-8749	8-2134	33	5	1174-8518	197-6236	90-3469
4	4	1354-5275	145-1665	10-9511	34	6	1513-4837	233-9152	93-0847
5	5	1693-1594	181-4581	13-6889	35	0	1852-1156	270-2068	95-8225
6	6	2031-7912	217-7497	16-4267	36	1	2190-7475	306-4985	98-5603
7	0	2370-4231	254-0414	19-1645	37	2	2529-3793	342-7901	101-2981
8	1	2709-0550	290-3330	21-9023	38	3	2868-0112	379-0817	104-0359
9	2	3047-6869	326-6246	24-6401	39	4	3206-6431	415-3733	106-7736
10	3	3386-3187	362-9162	27-3779	40	5	3545-2750	451-6649	109-5114
11	4	3724-9506	399-2079	30-1156	41	6	3883-9068	487-9566	112-2492
12	5	4063-5825	435-4995	32-8534	42	0	4222-5387	524-2482	114-9870
13	6	4402-2144	471-7911	35-5912	43	1	4561-1706	560-5398	117-7248
14	0	4740-8462	508-0827	38-3290	44	2	4899-8025	596-8314	120-4626
15	1	5079-4781	544-3744	41-0668	45	3	5238-4343	633-1231	123-2004
16	2	5418-1100	580-6660	43-8046	46	4	5577-0662	669-4147	125-9381
17	3	5756-7419	616-9576	46-5424	47	5	5915-6981	705-7063	128-6759
18	4	6095-3737	653-2492	49-2801	48	6	6254-3300	741-9979	131-4137
19	5	6434-0056	689-5409	52-0179	49	0	6592-9618	778-2896	134-1515
20	6	6772-6375	725-8325	54-7557	50	1	6931-5937	814-5812	136-8893
21	0	7111-2694	762-1241	57-4935	51	2	7270-2256	850-8728	139-6271
22	1	7449-9012	798-4157	60-2313	52	3	7608-8574	887-1644	142-3649
23	2	7788-5331	834-7073	62-9691	53	4	7947-4893	923-4561	145-1026
24	3	8127-1650	870-9990	65-7069	54	5	8286-1212	959-7477	147-8404
25	4	8465-7968	907-2906	68-4446	55	6	8624-7531	996-0393	150-5782
26	5	8804-4287	943-5822	71-1824	56	0	8963-3849	32-3309	153-3160
27	6	9143-0606	979-8738	73-9202	57	1	9302-0168	68-6226	156-0538
28	0	9481-6925	16-1655	76-6580	58	2	9640-6487	104-9142	158-7916
29	1	9820-3243	52-4571	79-3958	59	3	9979-2806	141-2058	161-5294
30	2	168-9562	88-7487	82-1336	60	4	317-9124	177-4974	164-2671

TABLE LXIV—*Contd.*DAYS—*Contd.*

No.	Week day.	a.	b.	c.	No.	Week day.	a.	b.	c.
1	2	3	4	5	1	2	3	4	5
61	5	656-5443	213-7890	167-0049	111	6	7538-1380	28-3702	303-8942
62	6	995-1762	250-0807	169-7427	112	0	7928-7699	84-6619	306-6320
63	0	1333-8081	286-3723	172-4805	113	1	8265-4018	100-9535	309-3698
64	1	1672-4399	322-6639	175-2183	114	2	8604-0336	137-2451	312-1076
65	2	2011-0718	358-9555	177-9561	115	3	8942-6655	173-5367	314-8454
66	3	2349-7037	395-2472	180-6939	116	4	9281-2974	209-8284	317-5831
67	4	2688-3356	431-5388	183-4316	117	5	9619-9293	246-1200	320-3209
68	5	3026-9674	467-8304	186-1694	118	6	9958-5611	282-4116	323-0587
69	6	3365-5993	504-1220	188-9072	119	0	297-1930	318-7032	325-7965
70	0	3704-2312	540-4137	191-6450	120	1	635-8249	354-9948	328-5343
71	1	4042-8631	576-7053	194-3828	121	2	974-4508	391-2865	331-2721
72	2	4381-4949	612-9969	197-1206	122	3	1313-0886	427-5781	334-0099
73	3	4720-1268	649-2885	199-8584	123	4	1651-7205	463-8697	336-7476
74	4	5058-7587	685-5801	202-5961	124	5	1990-3524	500-1613	339-4854
75	5	5397-3905	721-8718	205-3339	125	6	2328-9842	536-4530	342-2232
76	6	5736-0224	758-1634	208-0717	126	0	2667-6161	572-7446	344-9610
77	0	6074-6543	794-4550	210-8095	127	1	3006-2480	609-0362	347-6988
78	1	6413-2862	830-7467	213-5473	128	2	3344-8799	645-3278	350-4366
79	2	6751-9180	867-0383	216-2851	129	3	3683-5117	681-6195	353-1744
80	3	7090-5499	903-3299	219-0229	130	4	4022-1436	717-9111	355-9121
81	4	7429-1818	939-6215	221-7606	131	5	4360-7755	754-2027	358-6409
82	5	7767-8137	975-9131	224-4984	132	6	4699-4074	790-4943	361-3877
83	6	8106-4455	12-2048	227-2362	133	0	5038-0392	826-7860	364-1255
84	0	8445-0774	48-4964	229-9740	134	1	5376-6711	863-0776	366-8633
85	1	8783-7093	84-7880	232-7118	135	2	5715-3030	899-3692	369-6011
86	2	9122-3412	121-0796	235-4496	136	3	6053-9349	935-6608	372-3389
87	3	9460-9730	157-3713	238-1874	137	4	6392-5667	971-9525	375-0766
88	4	9799-6049	193-6629	240-9251	138	5	6731-1986	8-2441	377-8144
89	5	138-2367	229-9545	243-6629	139	6	7069-8305	44-5357	380-5522
90	6	476-8687	266-2461	246-4007	140	0	7408-4624	80-8273	383-2900
91	0	815-5005	302-5378	249-1385	141	1	7747-0942	117-1189	386-0278
92	1	1154-1324	338-8294	251-8763	142	2	8085-7261	153-4106	388-7656
93	2	1492-7643	375-1210	254-6141	143	3	8424-3580	189-7022	391-5034
94	3	1831-3962	411-4126	257-3519	144	4	8762-9899	225-9938	394-2411
95	4	2170-0280	447-7043	260-0896	145	5	9101-6217	262-2854	396-9789
96	5	2508-6599	483-9959	262-8274	146	6	9440-2536	298-5771	399-7167
97	6	2847-2918	520-2875	265-5652	147	0	9778-8855	334-8686	402-4545
98	0	3185-9237	556-5791	268-3030	148	1	117-5173	371-1603	405-1923
99	1	3524-5555	592-8708	271-0408	149	2	456-1492	407-4519	407-9301
100	2	3863-1874	629-1624	273-7786	150	3	794-7811	443-7436	410-6679
101	3	4201-8193	665-4540	276-5164	151	4	1133-4130	480-0352	413-4056
102	4	4540-4611	701-7456	279-2541	152	5	1472-0448	516-3268	416-1434
103	5	4879-0830	738-0372	281-9919	153	6	1810-6767	552-6184	418-8812
104	6	5217-7149	774-3289	284-7297	154	0	2149-3086	588-9101	421-6190
105	0	5556-3468	810-6205	287-4675	155	1	2487-9405	625-2017	424-3568
106	1	5894-9786	846-9121	290-2053	156	2	2826-5723	661-4933	427-0946
107	2	6233-6105	883-2037	292-9431	157	3	3165-2042	697-7849	429-8324
108	3	6572-2424	919-4954	295-6809	158	4	3503-8361	734-0766	432-5701
109	4	6910-8743	955-7870	298-4186	159	5	3842-4680	770-3682	435-3079
110	5	7249-5061	992-0786	301-1564	160	6	4181-0998	806-6598	438-0457

TABLE LXIV—*Contd.*DAYS—*Contd.*

No.	Week day.	a.	b.	c.	No.	Week day.	a.	b.	c.
1	2	3	4	5	1	2	3	4	5
161	0	4519-7317	842-9514	440-7835	211	1	1451-3254	657-5326	577-6728
162	1	4858-3636	879-2430	443-5213	212	2	1789-9572	693-8242	580-4108
163	2	5196-9955	915-5347	448-2591	213	3	2128-5892	729-1159	583-1484
164	3	5535-6273	951-8263	448-9969	214	4	2467-2210	766-4075	585-8861
165	4	5874-2592	988-1179	451-7346	215	5	2805-8529	802-6991	588-6239
166	5	6212-8911	24-4095	454-4724	216	6	3144-4848	838-9907	591-3617
167	6	6551-5230	60-7012	457-2102	217	0	3483-1167	875-2824	594-0995
168	0	6890-1548	96-9928	459-9480	218	1	3821-7485	911-5740	596-8373
169	1	7228-7867	133-2844	462-6858	219	2	4160-3804	947-8656	599-5751
170	2	7567-4186	169-5760	465-4236	220	3	4499-0123	984-1572	602-3129
171	3	7906-0505	205-8677	468-1613	221	4	4837-6442	20-4488	605-0506
172	4	8244-6823	242-1593	470-8991	222	5	5176-2760	56-7405	607-7884
173	5	8583-3142	278-4509	473-6360	223	6	5514-9079	93-0321	610-5262
174	6	8921-9461	314-7425	476-3747	224	0	5853-5398	129-3237	613-2640
175	0	9260-5779	351-0342	479-1125	225	1	6192-1716	165-6153	616-0018
176	1	9599-2098	387-3258	481-8503	226	2	6530-8035	201-9070	618-7396
177	2	9937-8417	423-6174	484-6881	227	3	6869-4354	238-1986	621-4774
178	3	276-4736	459-9090	487-3259	228	4	7208-0673	274-4902	624-2151
179	4	615-1054	496-2006	490-0636	229	5	7546-6991	310-7818	626-9529
180	5	953-7373	532-4923	492-8014	230	6	7885-3310	347-0735	629-6907
181	6	1292-3692	568-7839	495-5392	231	0	8223-9629	383-3651	632-4285
182	0	1631-0011	605-0755	498-2770	232	1	8562-5948	419-6567	635-1663
183	1	1969-6329	641-3671	501-0148	233	2	8901-2266	455-9483	637-9041
184	2	2308-2648	677-6588	503-7526	234	3	9239-8585	492-2400	640-6419
185	3	2646-8967	713-9504	506-4904	235	4	9578-4904	528-5316	643-3796
186	4	2985-5286	750-2420	509-2281	236	5	9917-1223	564-8232	646-1174
187	5	3324-1604	786-5336	511-9659	237	6	255-7541	601-1148	648-8552
188	6	3662-7923	822-8253	514-7037	238	0	594-3860	637-4064	651-6930
189	0	4001-4242	858-1169	517-4415	239	1	933-0179	673-6981	654-3308
190	1	4340-0561	895-4085	520-1793	240	2	1271-6498	709-9897	657-0686
191	2	4678-6879	931-7001	522-9171	241	3	1610-2816	746-2813	659-8064
192	3	5017-3198	967-9918	525-6549	242	4	1948-9135	782-5729	662-5441
193	4	5355-9517	4-2834	528-3926	243	5	2287-5454	818-8646	665-2819
194	5	5694-5836	40-5750	531-1304	244	6	2626-1773	855-1562	668-0197
195	6	6033-2154	76-8666	533-8682	245	0	2964-8091	891-4478	670-7575
196	0	6371-8473	113-1583	536-6060	246	1	3303-4410	927-7394	673-4953
197	1	6710-4792	149-4499	539-3438	247	2	3642-0729	964-0311	676-2331
198	2	7049-1110	185-7415	542-0816	248	3	3980-7047	0-3227	678-9709
199	3	7387-7420	222-0331	544-8194	249	4	4319-3366	36-6143	681-7086
200	4	7726-3748	258-3247	547-5571	250	5	4657-9685	72-9059	684-4464
201	5	8065-0067	294-6164	550-2949	251	6	4996-8004	109-1976	687-1842
202	6	8403-6385	330-9080	553-0327	252	0	5335-2322	145-4892	689-9220
203	0	8742-2704	367-1996	555-7705	253	1	5673-8641	181-7908	692-6598
204	1	9080-9023	403-4912	558-5083	254	2	6012-4960	218-0724	695-3976
205	2	9419-5342	439-7829	561-2461	255	3	6351-1279	254-3641	698-1954
206	3	9758-1660	476-0745	563-9839	256	4	6689-7597	290-6557	700-8731
207	4	96-7979	512-3661	566-7216	257	5	7028-3916	326-9473	703-6109
208	5	435-4298	548-6577	569-4594	258	6	7367-0235	363-2389	706-2487
209	6	774-0617	584-9494	572-1972	259	0	7705-6554	399-6305	709-0865
210	0	1112-6935	621-2410	574-9350	260	1	8044-2872	435-8222	711-8243

TABLE LXIV—Contd.

DAYS—Contd.

No.	Week day.	a.	b.	c.	No.	Week day.	a.	b.	c.
1	2	3	4	5	1	2	3	4	5
261	2	8382-9191	472-1138	714-5621	311	3	5314-5128	286-6950	851-4514
262	3	8721-5510	508-4054	717-2999	312	4	5653-1446	322-9886	854-1891
263	4	9060-1829	544-6970	720-0376	313	5	5991-7766	359-2782	856-9269
264	5	9398-8147	580-9887	722-7754	314	6	6330-4084	395-5699	859-6647
265	6	9737-4466	617-2803	725-5132	315	0	6669-0403	431-8615	862-4025
266	0	76-0785	653-5719	728-2510	316	1	7007-6722	468-1531	865-1403
267	1	414-7104	689-8635	730-9888	317	2	7346-3041	504-4447	867-8781
268	2	753-3422	726-1552	733-7266	318	3	7684-9369	540-7363	870-8159
269	3	1091-9741	752-4468	736-4644	319	4	8023-5678	577-0280	873-3536
270	4	1430-6060	798-7384	739-2021	320	5	8362-1997	613-3196	876-0914
271	5	1769-2378	835-0300	741-9399	321	6	8700-8315	649-6112	878-8292
272	6	2107-8697	871-3217	744-6777	322	0	9039-4634	685-9028	881-5670
273	0	2446-5016	907-6133	747-4155	323	1	9378-0953	722-1945	884-3048
274	1	2785-1335	943-9049	750-1533	324	2	9716-7272	758-4861	887-0426
275	2	3123-7653	979-1965	752-8911	325	3	55-3590	794-7777	889-7804
276	3	3462-3972	16-4882	755-6289	326	4	394-9009	831-0693	892-5181
277	4	3801-0291	52-7798	758-3666	327	5	732-6228	867-3610	895-2559
278	5	4139-6610	89-0714	761-1044	328	6	1071-2547	903-6526	897-9937
279	6	4478-2928	125-3630	763-8422	329	0	1409-8865	939-9442	900-7315
280	0	4816-9247	161-6546	766-5800	330	1	1748-5184	976-2358	903-4693
281	1	5155-5566	197-9463	769-3178	331	2	2087-1503	12-5275	906-2071
282	2	5494-1885	234-2379	772-0556	332	3	2425-7822	48-8191	908-9449
283	3	5832-8203	270-6295	774-7934	333	4	2764-4140	85-1107	911-6826
284	4	6171-4522	306-8211	777-5311	334	5	3103-0459	121-4023	914-4204
285	5	6510-0841	343-1128	780-2089	335	6	3441-6778	157-6940	917-1582
286	6	6848-7160	379-4044	783-0067	336	0	3780-3097	193-9856	919-8960
287	0	7187-3478	415-6960	785-7445	337	1	4118-9415	230-2772	922-6338
288	1	7525-9797	451-9876	788-4823	338	2	4457-5734	266-5688	925-3716
289	2	7864-6116	488-2793	791-2201	339	3	4796-2053	302-8604	928-1094
290	3	8203-2435	524-5709	793-9579	340	4	5134-9672	339-1521	930-8471
291	4	8541-8753	560-8625	796-6956	341	5	5473-4690	375-4437	933-5849
292	5	8880-5072	597-1541	799-4334	342	6	5812-1009	411-7353	936-3227
293	6	9219-1391	633-4458	802-1712	343	0	6150-7328	448-0269	939-0605
294	0	9557-7710	669-7374	804-9090	344	1	6489-3646	484-3186	941-7983
295	1	9896-4028	706-0290	807-6468	345	2	6827-9965	520-6102	944-5361
296	2	235-0347	742-3206	810-3846	346	3	7166-6284	556-9018	947-2739
297	3	573-6666	778-6123	813-1224	347	4	7505-2603	593-1934	950-0116
298	4	912-2984	814-9039	815-8601	348	5	7843-8921	629-4851	952-7494
299	5	1250-9303	851-1955	818-5979	349	6	8182-5240	665-7767	955-4872
300	6	1589-5622	887-4871	821-3357	350	0	8521-1559	702-0683	958-2250
301	0	1928-1941	923-7787	824-0735	351	1	8859-7878	739-3599	960-9628
302	1	2266-8259	960-0704	826-8113	352	2	9198-4166	774-6516	963-7006
303	2	2606-4578	996-3620	829-5491	353	3	9537-0515	810-9432	966-4384
304	3	2944-0697	32-6536	832-2869	354	4	9875-6894	847-2848	969-1761
305	4	3282-7216	68-9452	835-0246	355	5	214-3153	863-5264	971-9139
306	5	3621-3534	105-2369	837-7624	356	6	552-9471	919-8181	974-6517
307	6	3959-9858	141-5285	840-5002	357	0	891-5790	956-1097	977-3895
308	0	4298-6172	177-8201	843-2380	358	1	1230-2109	992-4013	980-1273
309	1	4637-2491	214-1117	845-9768	359	2	1568-8428	28-6929	982-8651
310	2	4975-8809	250-4034	848-7136	360	3	1907-4746	64-9845	985-6039

TABLE LXIV—*Concl'd.*DAYS—*Concl'd.*

No.	Week day.	a.	b.	c.	No.	Week day.	a.	b.	c.
1	2	3	4	5	1	2	3	4	5
361	4	2246-1065	101-2762	988-3406	376	5	7325-5846	645-6505	29-4074
362	5	2584-7384	137-5678	991-0784	377	6	7664-2165	681-9421	32-1452
363	6	2923-3703	173-8594	993-8162	378	0	8002-8484	718-2338	34-8830
364	0	3262-0021	210-1510	996-5540	379	1	8341-4802	754-5254	37-6208
365	1	3600-6340	246-4427	999-2918	380	2	8680-1121	790-8170	40-3586
366	2	3939-2659	282-7343	2-0296	381	3	9018-7440	827-1086	43-0964
367	3	4277-8978	319-9259	4-7674	382	4	9357-3759	863-4003	45-8341
368	4	4616-5296	355-3175	7-5051	383	5	9696-0077	899-6919	48-5719
369	5	4955-1615	391-6092	10-2420	384	6	34-6396	935-9835	51-3097
370	6	5293-7934	427-9008	12-9807	385	0	373-2715	972-2751	54-0475
371	0	5632-4252	464-1924	15-7185					
372	1	5971-0571	500-4840	18-4563					
373	2	6309-6890	536-7757	21-1941					
374	3	6648-3209	573-0673	23-9319					
375	4	6986-9527	609-3589	26-6696					

TABLE LXV.

INCREASE OF  $a$ ,  $b$ ,  $c$  BY THE FIRST ĀRYA-SIDDHANTA WITH LALLA'S BIJA.

HOURS, MINUTES AND SECONDS.

 $(a$  in 10,000ths of circle;  $b$  and  $c$  in 1,000ths.)*This Table corresponds to Table V, "Indian Calendar."*

Increase in	$a$ .	$b$ .	$c$ .
One hour . . . .	14-109661416	1-512150989	0-114074405
One minute . . . .	0-235161024	0-025202517	0-001901210
One second . . . .	0-003919350	0-000420042	0-000031087

## HOURS.

No.	$a$ .	$b$ .	$c$ .	No.	$a$ .	$b$ .	$c$ .
1	14-1097	1-5122	0-1141	13	183-4250	19-6580	1-4830
2	28-2193	3-0243	0-2281	14	197-5353	21-1701	1-5970
3	42-3290	4-5365	0-3422	15	211-6449	22-6823	1-7111
4	56-4386	6-0486	0-4563	16	225-7546	24-1944	1-8252
5	70-5483	7-5608	0-5704	17	239-8642	25-7066	1-9393
6	84-6580	9-0729	0-6844	18	253-9739	27-2187	2-0533
7	98-7676	10-5851	0-7985	19	268-0836	28-7309	2-1674
8	112-8773	12-0972	0-9126	20	282-1932	30-2430	2-2815
9	126-9870	13-6094	1-0267	21	296-3029	31-7552	2-3956
10	141-0966	15-1215	1-1407	22	310-4126	33-2673	2-5096
11	155-2063	16-6837	1-2548	23	324-5222	34-7795	2-6237
12	169-3159	18-1458	1-3689	24	338-6319	36-2916	2-7378

## MINUTES.

No.	$a$ .	$b$ .	$c$ .	No.	$a$ .	$b$ .	$c$ .	No.	$a$ .	$b$ .	$c$ .
1	0-2352	0-0252	0-0019	21	4-9384	0-5293	0-0399	41	9-6416	1-0333	0-0780
2	0-4703	0-0504	0-0038	22	5-1735	0-5545	0-0418	42	9-8768	1-0585	0-0799
3	0-7055	0-0756	0-0057	23	5-4087	0-5797	0-0437	43	10-1119	1-0837	0-0818
4	0-9406	0-1008	0-0076	24	5-6439	0-6049	0-0456	44	10-3471	1-1089	0-0837
5	1-1758	0-1260	0-0095	25	5-8790	0-6301	0-0475	45	10-5822	1-1341	0-0856
6	1-4110	0-1512	0-0114	26	6-1142	0-6553	0-0494	46	10-8174	1-1593	0-0875
7	1-6461	0-1764	0-0133	27	6-3493	0-6805	0-0513	47	11-0526	1-1845	0-0894
8	1-8813	0-2016	0-0152	28	6-5845	0-7057	0-0532	48	11-2877	1-2097	0-0913
9	2-1164	0-2268	0-0171	29	6-8197	0-7309	0-0551	49	11-5229	1-2349	0-0932
10	2-3516	0-2520	0-0190	30	7-0548	0-7561	0-0570	50	11-7581	1-2601	0-0951
11	2-5868	0-2772	0-0209	31	7-2900	0-7813	0-0589	51	11-9932	1-2853	0-0970
12	2-8219	0-3024	0-0228	32	7-5252	0-8065	0-0608	52	12-2284	1-3105	0-0989
13	3-0571	0-3276	0-0247	33	7-7603	0-8317	0-0627	53	12-4635	1-3357	0-1008
14	3-2923	0-3528	0-0266	34	7-9955	0-8569	0-0646	54	12-6987	1-3609	0-1027
15	3-5274	0-3780	0-0285	35	8-2306	0-8821	0-0665	55	12-9339	1-3861	0-1046
16	3-7626	0-4032	0-0304	36	8-4658	0-9073	0-0684	56	13-1690	1-4113	0-1065
17	3-9977	0-4284	0-0323	37	8-7010	0-9325	0-0703	57	13-4042	1-4365	0-1084
18	4-2329	0-4536	0-0342	38	8-9361	0-9577	0-0722	58	13-6393	1-4617	0-1103
19	4-4681	0-4788	0-0361	39	9-1713	0-9829	0-0741	59	13-8745	1-4869	0-1122
20	4-7032	0-5041	0-0380	40	9-4064	1-0081	0-0760	60	14-1097	1-5122	0-1141

TABLE LXV—*Contd.*

## SECONDS.

No.	a.	b.	c.	No.	a.	b.	c.	No.	a.	b.	c.
1	0-0039	0-0004	0-0000	21	0-0823	0-0088	0-0007	41	0-1607	0-0172	0-0013
2	0-0078	0-0008	0-0001	22	0-0862	0-0092	0-0007	42	0-1646	0-0176	0-0013
3	0-0118	0-0013	0-0001	23	0-0901	0-0097	0-0007	43	0-1685	0-0181	0-0014
4	0-0157	0-0017	0-0001	24	0-0941	0-0101	0-0008	44	0-1725	0-0185	0-0014
5	0-0196	0-0021	0-0002	25	0-0980	0-0105	0-0008	45	0-1764	0-0189	0-0014
6	0-0235	0-0025	0-0002	26	0-1019	0-0109	0-0008	46	0-1803	0-0193	0-0015
7	0-0274	0-0029	0-0002	27	0-1058	0-0113	0-0009	47	0-1842	0-0197	0-0015
8	0-0314	0-0034	0-0003	28	0-1097	0-0118	0-0009	48	0-1881	0-0202	0-0015
9	0-0353	0-0038	0-0003	29	0-1137	0-0122	0-0009	49	0-1920	0-0206	0-0016
10	0-0392	0-0042	0-0003	30	0-1176	0-0126	0-0010	50	0-1960	0-0210	0-0016
11	0-0431	0-0046	0-0003	31	0-1215	0-0130	0-0010	51	0-1999	0-0214	0-0016
12	0-0470	0-0050	0-0004	32	0-1254	0-0134	0-0010	52	0-2038	0-0218	0-0016
13	0-0510	0-0055	0-0004	33	0-1293	0-0139	0-0010	53	0-2077	0-0223	0-0017
14	0-0549	0-0059	0-0004	34	0-1333	0-0143	0-0011	54	0-2116	0-0227	0-0017
15	0-0588	0-0063	0-0005	35	0-1372	0-0147	0-0011	55	0-2156	0-0231	0-0017
16	0-0627	0-0067	0-0005	36	0-1411	0-0151	0-0011	56	0-2195	0-0235	0-0018
17	0-0666	0-0071	0-0005	37	0-1450	0-0155	0-0012	57	0-2234	0-0239	0-0018
18	0-0705	0-0076	0-0006	38	0-1489	0-0160	0-0012	58	0-2273	0-0244	0-0018
19	0-0745	0-0080	0-0006	39	0-1528	0-0164	0-0012	59	0-2312	0-0248	0-0019
20	0-0784	0-0084	0-0006	40	0-1568	0-0168	0-0013	60	0-2352	0-0252	0-0019



## TABLES LXVI, LXVII.

"EQUATION *b*" AND "EQUATION *c*" IN WHOLE NUMBERS BY THE FIRST ĀRYA-SIDDHĀNTA  
(corresponding to Tables VI, VII, "Indian Calendar").

Tables LXVI A and LXVII A state the values of "equation *b*" and "equation *c*" in detail.

TABLE LXVI.

LUNAR "EQUATION *b*."

Arg.	Eqn.	Arg.	Arg.	Eqn.	Arg.
0	139	500	500	139	1000
10	148	490	510	130	990
20	157	480	520	121	980
30	165	470	530	114	970
40	174	460	540	105	960
50	182	450	550	96	950
60	191	440	560	88	940
70	199	430	570	80	930
80	206	420	580	72	920
90	214	410	590	65	910
100	221	400	600	58	900
110	228	390	610	51	890
120	235	380	620	44	880
130	241	370	630	38	870
140	247	360	640	32	860
150	252	350	650	27	850
160	257	340	660	22	840
170	262	330	670	17	830
180	265	320	680	13	820
190	269	310	690	10	810
200	272	300	700	7	800
210	274	290	710	4	790
220	276	280	720	2	780
230	277	270	730	1	770
240	278	260	740	0	760
250	279	250	750	0	750

TABLE LXVII.

SOLAR "EQUATION *c*."

Arg.	Eqn.	Arg.	Arg.	Eqn.	Arg.
0	60	500	500	60	1000
10	58	490	510	63	990
20	52	480	520	67	980
30	49	470	530	71	970
40	45	460	540	75	960
50	41	450	550	78	950
60	38	440	560	81	940
70	34	430	570	85	930
80	31	420	580	88	920
90	28	410	590	92	910
100	25	400	600	95	900
110	21	390	610	98	890
120	18	380	620	101	880
130	16	370	630	103	870
140	14	360	640	106	860
150	11	350	650	108	850
160	9	340	660	110	840
170	7	330	670	112	830
180	6	320	680	113	820
190	4	310	690	115	810
200	3	300	700	116	800
210	2	290	710	117	790
220	1	280	720	118	780
230	1	270	730	119	770
240	0	260	740	119	760
250	0	250	750	119	750

Diff. in equa- tion.	Last figure of argument.								
	9	8	7	6	5	4	3	2	1
	Add or subtract.								
9	8	7	6	5	4 or 5	4	3	2	1
8	7	6	6	5	4	3	2	2	1
7	6	6	5	4	3 or 4	3	2	1	1
6	5	5	4	4	3	2	2	1	1
5	4 or 5	4	3 or 4	3	2 or 3	2	1 or 2	1	0 or 1
4	4	3	3	2	2	2	1	1	0
3	3	2	2	2	1 or 2	1	1	1	0
2	2	2	1	1	1	1	1	0	0
1	1	1	1	1	0 or 1	0	0	0	0

TABLE LXVI A.

(A) MOON'S "EQUATION  $b$ " BY THE FIRST ĀRYA-SIDDHANTA, FROM  $\zeta$ 'S MEAN ANOM. 0—500 (0°—180°).

Cols. 3, 4.—Equation and difference stand for either of the mean anom. values in cols. 2a, 2b. For the 24 base-equations see Table LXX.

Arg.  $b$  is  $\zeta$ 's mean anom. in 1,000ths of circle.

Col. 3.—The equation is  $\zeta$ 's greatest equation plus the actual equation, in 10,000ths of circle.

Serial No. of sine.	Arg. $b$ .	Equation $b$ .	Diff.	Arg. $b$ .	Serial No. of sine.	Arg. $b$ .	Equation $b$ .	Diff.	Arg. $b$ .
1	2a	3	4	2b	1	2a	3	4	2b
0	0-0	139-4275	1-8229	500-0	12	125-0	237-9056	1-2482	375-0
	2-083	141-2505		497-916		127-083	239-1537		372-916
	4-16	143-0734		495-83		129-16	240-4019		370-83
	6-25	144-8963		493-75		131-25	241-6501		368-75
	8-3	146-7192	1-8148	491-6	13	133-3	242-8983	1-1637	366-6
1	10-416	148-5421		489-583		135-416	244-1464		364-583
	12-5	150-3659		487-5		137-5	245-3102		362-5
	14-583	152-1718		485-416		139-583	246-4739		360-416
	16-6	153-9866	1-7986	483-3		141-6	247-6376	1-0661	358-3
	18-75	155-8014		481-25		143-75	248-8014		356-25
2	20-83	157-6162		479-16	14	145-83	249-9651		354-16
	22-916	159-4148		477-083		147-916	251-0312		352-083
	25-0	161-2134	1-7743	475-0		150-0	252-0973	0-9684	350-0
	27-083	163-0120		472-916		152-083	253-1634		347-916
	29-16	164-8106		470-83		154-16	254-2294		345-83
3	31-25	166-6093		468-75	15	156-25	255-2955		343-75
	33-3	168-3836	1-7419	466-6		158-3	256-2640	0-8626	341-6
	35-416	170-1579		464-583		160-416	257-2324		339-583
	37-5	171-9322		462-5		162-5	258-2008		337-5
	39-583	173-7065		460-416		164-583	259-1692		335-416
4	41-6	175-4808	1-7014	458-3	16	166-6	260-1376	0-7568	333-3
	43-75	177-2227		456-25		168-75	261-0003		331-25
	45-83	178-9649		454-16		170-83	261-8629		329-16
	47-916	180-7065		452-083		172-916	262-7255		327-083
	50-0	182-4484	1-6609	450-0	17	175-0	263-5882	0-6429	325-0
5	52-083	184-1903		447-916		177-083	264-4508		322-916
	54-16	185-8917		445-83		179-16	265-2076		320-83
	56-25	187-5931		443-75		181-25	265-9645		318-75
	58-3	189-2944	1-6123	441-6	18	183-3	266-7213	0-5290	316-6
	60-416	190-9958		439-583		185-416	267-4781		314-583
	62-5	192-6972		437-5		187-5	268-2350		312-5
	64-583	194-3581		435-416		189-583	268-8779		310-416
	66-6	196-0190	1-5475	433-3	19	191-6	269-5208	0-4150	308-3
	68-75	197-6799		431-25		193-75	270-1837		306-25
	70-83	199-3407		429-16		195-83	270-8066		304-16
	72-916	201-0016		427-083		197-916	271-4495		302-083
7	75-0	202-6139	1-4826	425-0	20	200-0	271-9785	0-3011	300-0
	77-083	204-2262		422-916		202-083	272-5074		297-916
	79-16	205-8384		420-83		204-6	273-0364		295-83
	81-25	207-4507		418-75		206-25	273-5654		293-75
	83-3	209-0630	1-4097	416-6	21	208-3	274-0944	0-1790	291-6
	85-416	210-6104		414-583		210-416	274-5094		289-583
	87-5	212-1579		412-5		212-5	274-9244		287-5
	89-583	213-7053		410-416		214-583	275-3395		285-416
	91-6	215-2528	1-3287	408-3	22	216-6	275-7545	0-0570	283-3
	93-75	216-8002		406-25		218-75	276-1695		281-25
	95-83	218-2829		404-16		220-83	276-4707		279-16
	97-916	219-7655		402-083		222-916	276-7718		277-083
	100-0	221-2481	1-3287	400-0	23	225-0	277-0729	0-0570	275-0
	102-083	222-7308		397-916		227-083	277-3740		272-916
	104-16	224-2134		395-83		229-16	277-6751		270-83
	106-25	225-6231		393-75		231-25	277-8541		268-75
	108-3	227-0329	1-3287	391-6	24	233-3	278-0332	0-0570	266-6
	110-416	228-4426		389-583		235-416	278-2122		264-583
	112-5	229-8523		387-5		237-5	278-3912		262-5
	114-583	231-2620		385-416		239-583	278-5703		260-416
	116-6	232-5907	1-3287	383-3		241-6	278-6272	0-0570	258-3
	118-75	233-9194		381-25		243-75	278-6842		256-25
	120-83	235-2482		379-16		245-83	278-7412		254-16
	122-916	236-5769		377-083		247-916	278-7981		252-083
						250-0	278-8551		250-0

TABLE LXVI A—Contd.

(B) MCON'S "EQUATION  $b$ " BY THE FIRST ĀRYA-SIDDHĀNTA FROM ( 's MEAN ANOM. 50°—1000 (180°—360°).

Col. 3.—The equation is ( 's greatest equation minus the actual equation, in 10,000ths of circle.

Serial No. of sine.	Arg. $b$ .	Equation $b$ .	Diff.	Arg. $b$ .	Serial No. of sine.	Arg. $b$ .	Equation $b$ .	Diff.	Arg. $b$ .
1	2a	3	4	2b	1	2a	3	4	2b
0	500-0	139-4275	1-8229	1000-0	12	625-0	40-9495	1-2482	875-0
	502-083	137-6046		997-916		627-083	39-7014		872-916
	504-16	135-7817		995-83		629-16	38-4532		870-83
	506-25	133-9588		993-75		631-25	37-2050		868-75
	508-3	132-1359	1-8148	991-6	13	633-3	35-9568	1-1637	866-6
1	516-416	130-3130		989-583		635-416	34-7087		864-583
	512-5	128-4982		987-5		637-5	33-4449		862-5
	514-583	126-6833		985-416		639-583	32-2812		860-416
	516-6	124-8685	1-7986	983-3	14	641-6	31-2175	1-0661	858-3
	518-75	123-0537		981-25		643-75	30-0537		856-25
2	520-83	121-2389		979-16		645-83	28-8900		854-16
	522-916	119-4403		977-083		647-916	27-8239		852-083
	525-0	117-6417	1-7743	975-0	15	650-0	26-7578	0-9684	850-0
	527-083	115-8431		972-916		652-083	25-6917		847-916
	529-16	114-0444		970-83		654-16	24-6257		845-83
	531-25	112-2458		968-75		656-25	23-5596		843-75
	533-3	110-4715	1-7419	966-6	16	658-3	22-5911	0-8626	841-6
	535-416	108-6972		964-583		660-416	21-6227		839-583
	537-5	106-9229		962-5		662-5	20-6543		837-5
	539-583	105-1486		960-416		664-583	19-6859		835-416
4	541-6	103-3743	1-7014	958-3	17	666-6	18-7175	0-7568	833-3
	543-75	101-6324		956-25		668-75	17-8548		831-25
	545-83	99-8905		954-16		670-83	16-9922		829-16
	547-916	98-1486		952-083		672-916	16-1296		827-083
	550-0	96-4067	1-6609	950-0	18	675-0	15-2669	0-6429	825-0
5	552-083	94-6648		947-916		677-083	14-4043		822-916
	554-16	92-9634		945-83		679-16	13-6475		820-83
	556-25	91-2620		943-75		681-25	12-8906		818-75
	558-3	89-5607	1-6123	941-6	19	683-3	12-1338	0-5290	816-6
	560-416	87-8593		939-583		685-416	11-3770		814-583
	562-5	86-1579		937-5		687-5	10-6201		812-5
	564-583	84-4970		935-416		689-583	9-9772		810-416
	566-6	82-8361	1-5475	933-3	20	691-6	9-3343	0-4150	808-3
	568-75	81-1752		931-25		693-75	8-6914		806-25
	570-83	79-5144		929-16		695-83	8-0485		804-16
	572-916	77-8535		927-083		697-916	7-4056		802-083
7	575-0	76-2412	1-4826	925-0	21	700-0	6-8766	0-3011	800-0
	577-083	74-6289		922-916		702-083	6-3477		797-916
	579-16	73-0167		920-83		704-6	5-8187		795-83
	581-25	71-4044		918-75		706-25	5-2897		793-75
	583-3	69-7921	1-4097	916-6	22	708-3	4-7607	0-1790	791-6
	585-416	68-2447		914-583		710-416	4-3457		789-583
	587-5	66-6972		912-5		712-5	3-9307		787-5
	589-583	65-1498		910-416		714-583	3-5156		785-416
	591-6	63-6023	1-3267	908-3	23	716-6	3-1006	0-0579	783-3
	593-75	62-0549		906-25		718-75	2-6855		781-25
	595-83	60-5722		904-16		720-83	2-3844		779-16
	597-916	59-0896		902-083		722-916	2-0833		777-083
	600-0	57-6069	1-3267	900-0	24	725-0	1-7822	0-0000	775-0
	602-083	56-1243		897-916		727-083	1-4811		772-916
	604-16	54-6417		895-83		729-16	1-1800		770-83
	606-25	53-2319		893-75		731-25	1-0010		768-75
	608-3	51-8222	1-3267	891-6		733-3	0-8219	0-0579	766-6
	610-416	50-4125		889-583		735-416	0-6429		764-583
	612-5	49-0028		887-5		737-5	0-4639		762-5
	614-583	47-5931		885-416		739-583	0-2848		760-416
	616-6	46-2844	1-3267	883-3		741-6	0-2279	0-0579	758-3
	618-75	44-9357		881-25		743-75	0-1709		756-25
	620-83	43-6069		879-16		745-83	0-1139		754-16
	622-916	42-2782		877-083		747-916	0-0570		752-083
						750-0	0-0000		750-0

TABLE LXVII A.

(A) SUN'S "EQUATION c" BY THE FIRST ĀRYA-SIDDHĀNTA FROM ☉'S MEAN ANOMALY 0—500 (0°—180°).

Cols. 3, 4.—Equation and Difference stand for either of the mean anom.: values in cols. 2a, 2b.  
For the 24 base-equations see Table LXVII, above Vol. XIV.

"Arg. c" is ☉'s mean anomaly in 1,000ths of circle.

Col. 3.—The equation is ☉'s greatest equation minus the actual equation, in 10,000ths of circle.

Serial No. of sine.	Arg. c.	Equation c.	Diff.	Arg. c.	Serial No. of sine.	Arg. c.	Equation c.	Diff.	Arg. c.
1	2a	3	4	2b	1	2a	3	4	2b
0	0-0	59-6875	0-7797	500-0	12	125-0	17-4826	0-5347	375-0
	2-083	58-9078		497-916		127-083	16-9479		372-916
	4-16	58-1281		495-83		129-16	16-4132		370-83
	6-25	57-3484		493-75		131-25	15-8785		368-75
	8-3	56-5687		491-6		133-3	15-3438		366-6
1	10-416	55-7890	0-7793	489-583	13	135-416	14-8090	0-4965	364-583
	12-5	55-0096		487-5		137-5	14-3125		362-5
	14-583	54-2303		485-416		139-583	13-8160		360-416
	16-6	53-4510		483-3		141-6	13-3194		358-3
	18-75	52-6717		481-25		143-75	12-8229		356-25
2	20-83	51-8924	0-7708	479-16	14	145-83	12-3264	0-4549	354-16
	22-916	51-1215		477-083		147-916	11-8715		352-083
	25-0	50-3507		475-0		150-0	11-4167		350-0
	27-083	49-5799		472-916		152-083	10-9618		347-916
	29-16	48-8090		470-83		154-16	10-5069		345-83
3	31-25	48-0382	0-7604	468-75	15	156-25	10-0521	0-4182	343-75
	33-3	47-2778		466-6		158-3	9-6389		341-6
	35-416	46-5174		464-583		160-416	9-2257		339-583
	37-5	45-7569		462-5		162-5	8-8125		337-5
	39-583	44-9965		460-416		164-583	8-3993		335-416
4	41-6	44-2361	0-7465	458-3	16	166-6	7-9861	0-3681	333-3
	43-75	43-4896		456-25		168-75	7-6181		331-25
	45-83	42-7431		454-16		170-83	7-2500		329-16
	47-916	41-9965		452-083		172-916	6-8819		327-083
	50-0	41-2500		450-0		175-0	6-5139		325-0
5	52-083	40-5035	0-7292	447-916	17	177-083	6-1458	0-3229	322-916
	54-16	39-7743		445-83		179-16	5-8229		320-83
	56-25	39-0451		443-75		181-25	5-5000		318-75
	58-3	38-3160		441-6		183-3	5-1771		316-6
	60-416	37-5868		439-583		185-416	4-8542		314-583
6	62-5	36-8576	0-7118	437-5	18	187-5	4-5313	0-2743	312-5
	64-583	36-1458		435-416		189-583	4-2084		310-416
	66-6	35-4340		433-3		191-6	3-8855		308-3
	68-75	34-7222		431-25		193-75	3-5626		306-25
	70-83	34-0104		429-16		195-83	3-2397		304-16
7	72-916	33-2986	0-6910	427-083	19	197-916	2-9168	0-2267	302-083
	75-0	32-6076		425-0		200-0	2-5939		300-0
	77-083	31-9167		422-916		202-083	2-2710		297-916
	79-16	31-2257		420-83		204-16	1-9481		295-83
	81-25	30-5347		418-75		206-25	1-6252		293-75
8	83-3	29-8438	0-6632	416-6	20	208-3	1-3023	0-1771	291-6
	85-416	29-1506		414-583		210-416	0-9794		289-583
	87-5	28-5174		412-5		212-5	0-6565		287-5
	89-583	27-8542		410-416		214-583	0-3336		285-416
	91-6	27-1910		408-3		216-6	0-0107		283-3
9	93-75	26-5278	0-6354	406-25	21	218-75	0-3148	0-1285	281-25
	95-83	25-8624		404-16		220-83	0-0174		279-16
	97-916	25-2469		402-083		222-916	0-2889		277-083
	100-0	24-6315		400-0		225-0	0-7664		275-0
	102-083	24-0061		397-916		227-083	0-4319		272-916
10	104-16	23-3807	0-6042	395-83	22	229-16	0-0965	0-0756	270-83
	106-25	22-7465		393-75		231-25	0-4379		268-75
	108-3	22-1424		391-6		233-3	0-3582		266-6
	110-416	21-5382		389-583		235-416	0-2786		264-583
	112-5	20-9341		387-5		237-5	0-1990		262-5
11	114-583	20-3299	0-5694	385-416	23	239-583	0-1254	0-0261	260-416
	116-6	19-7264		383-3		241-6	0-0503		258-3
	118-75	19-1210		381-25		243-75	0-0752		256-25
	120-83	18-6215		379-16		245-83	0-0502		254-16
	122-916	18-0521		377-083		247-916	0-0251		252-083
					24	250-0	0-0		250-0

TABLE LXVII A—Contd.

(B) SUN'S "EQUATION c" BY THE FIRST ARYA-SIDDHANTA FROM ☉'s MEAN ANOMALY 500—1000 (180°—360°).

Col. 3.—The equation is ☉'s greatest equation *plus* the actual equation, in 10,000ths of circle.

Serial No. of sine.	Arg. c.	Equation c.	Diff.	Arg. c.	Serial No. of sine.	Arg. c.	Equation c.	Diff.	Arg. c.
1	2a	3	4	2b	1	2a	3	4	2b
0	500-0	59-6875	0-7797	1000-0	12	625-0	101-8924	0-5347	875-0
	502-083	60-4872		997-916		627-083	102-4271		872-916
	504-16	61-2469		995-83		629-16	102-9618		870-83
	506-25	62-0266		993-75		631-25	103-4965		868-75
	508-3	62-8063	0-7793	991-6		633-3	104-0312	0-4965	866-6
1	510-416	63-5860		989-583	13	635-416	104-5660		864-583
	512-5	64-3654		987-5		637-5	105-0925		862-5
	514-583	65-1447		985-416		639-583	105-5590		860-416
	516-6	65-9240	0-7708	983-3		641-6	106-0556	0-4549	858-3
	518-75	66-7033		981-25		643-75	106-5521		856-25
2	520-83	67-4826		979-16	14	645-83	107-0486		854-16
	522-916	68-2535		977-083		647-916	107-5035		852-083
	525-0	69-0243	0-7604	975-0		650-0	107-9583	0-3681	850-0
	527-083	69-7951		972-916		652-083	108-4132		847-916
	529-16	70-5660		970-83		654-16	108-8681		845-83
	531-25	71-3368		968-75	15	656-25	109-3220		843-75
	533-3	72-0972	0-7465	966-6		658-3	109-7361	0-3229	841-6
	535-416	72-8576		964-583		660-416	110-1493		839-583
	537-5	73-6181		962-5		662-5	110-5265		837-5
	539-583	74-3785		960-416		664-583	110-9767		835-416
4	541-6	75-1389	0-7118	958-3	16	666-6	111-3889	0-2743	833-3
	543-75	75-8854		956-25		668-75	111-7569		831-25
	545-83	76-6319		954-16		670-83	112-1250		829-16
	547-916	77-3785		952-083		672-916	112-4931		827-083
	550-0	78-1250	0-7002	950-0		675-0	112-8611	0-2257	825-0
5	552-083	78-8715		947-916	17	677-083	113-2292		822-916
	554-16	79-6007		945-83		679-16	113-5521		820-83
	556-25	80-3299		943-75		681-25	113-8750		818-75
	558-3	81-0590	0-7118	941-6		683-3	114-1979	0-1771	816-6
	560-416	81-7882		939-583		685-416	114-5208		814-583
	562-5	82-5174		937-5	18	687-5	114-8438		812-5
	564-583	83-2292		935-416		689-583	115-1181		810-416
	566-6	83-0410	0-6910	933-3		691-6	115-3924	0-1285	808-3
	568-75	84-6528		931-25		693-75	115-6667		806-25
	570-83	85-3646		929-16		695-83	115-9410		804-16
	572-916	86-0764		927-083	19	697-916	116-2153		802-083
	575-0	86-7874	0-6632	925-0		700-0	116-4410	0-0756	800-0
	577-083	87-4583		922-916		702-083	116-6667		797-916
	579-16	88-1493		920-83		704-16	116-8924		795-83
	581-25	88-8403		918-75		706-25	117-1181		793-75
	583-3	89-5312	0-6354	916-6	20	708-3	117-3438	0-0251	791-6
	585-416	90-1944		914-583		710-416	117-5208		789-583
	587-5	90-8576		912-5		712-5	117-6979		787-5
	589-583	91-5208		910-416		714-583	117-8750		785-416
	591-6	92-1840	0-6042	908-3		716-6	118-0521	0-0251	783-3
	593-75	92-8472		906-25	21	718-75	118-2292		781-25
	595-83	93-4826		904-16		720-83	118-3576		779-16
	597-916	94-1181		902-083		722-916	118-4861		777-083
	600-0	94-7535	0-5694	900-0		725-0	118-6146	0-0251	775-0
	602-083	95-3899		897-916		727-083	118-7431		772-916
	604-16	96-0243		895-83	22	729-16	118-8715		770-83
	606-25	96-6285		893-75		731-25	118-9471		768-75
	608-3	97-2326	0-5347	891-6		733-3	119-0228	0-0251	766-6
	610-416	97-8368		889-583		735-416	119-0984		764-583
	612-5	98-4410		887-5		737-5	119-1740		762-5
	614-583	99-0451		885-416	23	739-583	119-2496		760-416
	616-6	99-6493	0-5094	883-3		741-6	119-2747	0-0251	758-3
	618-75	100-1840		881-25		743-75	119-2998		756-25
	620-83	100-7535		879-16		745-83	119-3248		754-16
	622-916	101-3229		877-083	24	747-916	119-3499		752-083
						750-0	119-3750		750-0

TABLE LXVIII.

## INDICES OF TITHIS, KARANAS, YOGAS AND NAKSHATRAS.

Indices of yugas "(y)" are numerically the same as those of nakshatras "(n)."

*This Table corresponds to Table VIII, "Indian Calendar."*

TITHI AND KARANA				YOGA		NAKSHATRA			
Serial number of yugas (n)	Tithi-index (y)	KARANA		Name	No. of Yugas or Nakshatras	Name	Index of Nakshatra ("n") and Yuga ("y"). Ordinary (equal- space) system.	INDEX OF ENDING POINT OF NAKSHATRA AND YUGA, BY THE UT- EQUAL SPACE SYSTEMS OF	
		First half of Tithi.	Second half of Tithi.					Garga.	Brahma- Siddhanta
1	3	4	5	6		7	8	9	10
1	1	1 Bava	1 Bava	Vishakha	1	Asvini	0 — 370-370	370-370	368-0108
2	2	2 Balava	2 Balava	Priti	2	Bharani	370-370 — 740-740	555-5	549-0051
3	3	3 Kaulava	3 Kaulava	Ayushman	3	Krittika	740-740 — 1111-1	925-925	915-0270
4	4	4 Taitila	4 Taitila	Saubbhaga	4	Rohini	1111-1 — 1481-481	1481-481	1464-0432
5	5	5 Vajir	5 Vajir	Sobhana	5	Mrigasiras	1481-481 — 1851-851	1851-851	1830-0540
6	6	6 Bava	6 Bava	Atigadha	6	Ardra	1851-851 — 2222-2	2037-037	2013-0394
7	7	7 Kaulava	7 Kaulava	Sakarman	7	Punarvasu	2222-2 — 2592-592	2592-592	2569-0756
8	8	8 Gara	8 Gara	Dhriti	8	Pushya	2592-592 — 2962-962	2962-962	2928-0894
9	9	9 Vishat	9 Vishat	Sula	9	Atishat	2962-962 — 3333-3	3149-149	3111-0918
10	10	10 Balava	10 Balava	Gadha	10	Magha	3333-3 — 3703-703	3518-518	3477-1026
11	11	11 Taitila	11 Taitila	Vridhi	11	Purva-Phalguni	3703-703 — 4074-074	3888-6	3843-1134

12	3000-4000	1 Bava .	2 Bālava .	Dhruva .	12	Uttara-Phalgunī .	4074-074—4444-4	4444 4	4392-1296
13	4000—4333-3	3 Kaulava .	4 Taitila .	Vyāghrā .	13	Hasta .	4444-4 —4814-814	4814-814	4758-1404
14	4333-3—4666-6	5 Gara .	6 Vapij .	Harahapa .	14	Chitrā .	4814-814—5185-185	5185-185	5124-1512
15	4666-6—5000	7 Viahṭi .	1 Bava .	Vajra .	15	Śvātī .	5185-185—5555-5	5370-370	5307-1566
16	5000—5333-3	2 Bālava .	3 Kaulava .	Siddhiḥ .	16	Vīśākhā .	5555-5 —5925-925	5925-925	5853-1728
17	5333-3—5666-6	4 Taitila .	5 Gara .	Vyastipāta .	17	Anurādhā .	5925-925—6296-296	6296-296	6222-1836
18	5666-6—6000	6 Vapij .	7 Viahṭi .	Vāryas .	18	Jyēsthā .	6296-296—6666-6	6481-481	6406-1890
19	6000—6333-3	1 Bava .	2 Bālava .	Parigha .	19	Mūla .	6666-6 —7037-037	6852-852	6771-1998
20	6333-3—6666-6	3 Kaulava .	4 Taitila .	Śiva .	20	Pūrva-Āshādhā .	7037-037—7407-407	7222-2	7137-2106
21	6666-6—7000	5 Gara .	6 Vapij .	Siddha .	21	Uttara-Āshādhā .	7407-407—7777-7	7777-7	7686-2269‡
22	7000—7333-3	7 Viahṭi .	1 Bava .	...	...	Abhijit .	...	...	7803-935-‡
23	7333-3—7666-6	2 Bālava .	3 Kaulava .	Sādhya .	22	Śravana .	7777-7 —8148-148	8148-148	8169-9460
24	7666-6—8000	4 Taitila .	5 Gara .	Śubha .	23	Dhanishṭhā§	8148-148—8518-518	8518-518	8535-9668
25	8000—8333-3	6 Vapij .	7 Viahṭi .	Śukla .	24	Satabhisṭhā§	8518-518—8888-8	8703-703	8718-9622
26	8333-3—8666-6	1 Bava .	2 Bālava .	Brahman .	25	Pūrva-Bhadrapadā	8888-8 —9259-259	9074-074	9084-9730
27	8666-6—9000	3 Kaulava .	4 Taitila .	Indra .	26	Uttara-Bhadrapadā	9259-259—9629-629	9629-629	9633-9892
28	9000—9333-3	5 Gara .	6 Vapij .	Vaidhṛti .	27	Rēvātī .	9629-629—10,000	10,000	10,000
29	9333-3—9666-6	7 Viahṭi .	...	...	...	...	...	...	...
30	9666-6—10000	Chaturhpadā .	Nāga .	...	...	...	...	...	...

† Viahṭi is also called Bhadrā, or Kalyāṇi.

‡ or Aśvini.

§ The figures given in Col. 10 follow the limits of Abhijit as given in the "Indian Calendar," p. 22, viz., from 276° 42' 15" to 280° 56' 30". Professor Jacobi and Dr. Burgess, however, give these limits as from 270° 40' to 281° 40' (*Epiq. Ind. I.*, p. 449; *Journal R. A. S.*, 1893, p. 755). If they are correct, the figures in Col. 10 should be read as beginning at 7685-1832 and ending at 7824-074.

¶ or Śatātārakā.

TABLE LXIX.

SERIAL NUMBER OF DAYS IN A YEAR A.D. FOR TWO CONSECUTIVE YEARS.

N. B.—The numbers given are those in a common year. In Leap-years, after February 29, the day of the month must be reduced by 1. Thus Day 153, in a Leap-year, is not June 2, but June 1.

*The Table is the same as Table IX, "Indian Calendar."*

## PART I.

Day of month.	NUMBER OF DAYS RECKONED FROM 1ST JANUARY OF THE SAME YEAR.												Day of month.
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
1	1	32	60	91	121	152	182	213	244	274	305	335	1
2	2	33	61	92	122	153	183	214	245	275	306	336	2
3	3	34	62	93	123	154	184	215	246	276	307	337	3
4	4	35	63	94	124	155	185	216	247	277	308	338	4
5	5	36	64	95	125	156	186	217	248	278	309	339	5
6	6	37	65	96	126	157	187	218	249	279	310	340	6
7	7	38	66	97	127	158	188	219	250	280	311	341	7
8	8	39	67	98	128	159	189	220	251	281	312	342	8
9	9	40	68	99	129	160	190	221	252	282	313	343	9
10	10	41	69	100	130	161	191	222	253	283	314	344	10
11	11	42	70	101	131	162	192	223	254	284	315	345	11
12	12	43	71	102	132	163	193	224	255	285	316	346	12
13	13	44	72	103	133	164	194	225	256	286	317	347	13
14	14	45	73	104	134	165	195	226	257	287	318	348	14
15	15	46	74	105	135	166	196	227	258	288	319	349	15
16	16	47	75	106	136	167	197	228	259	289	320	350	16
17	17	48	76	107	137	168	198	229	260	290	321	351	17
18	18	49	77	108	138	169	199	230	261	291	322	352	18
19	19	50	78	109	139	170	200	231	262	292	323	353	19
20	20	51	79	110	140	171	201	232	263	293	324	354	20
21	21	52	80	111	141	172	202	233	264	294	325	355	21
22	22	53	81	112	142	173	203	234	265	295	326	356	22
23	23	54	82	113	143	174	204	235	266	296	327	357	23
24	24	55	83	114	144	175	205	236	267	297	328	358	24
25	25	56	84	115	145	176	206	237	268	298	329	359	25
26	26	57	85	116	146	177	207	238	269	299	330	360	26
27	27	58	86	117	147	178	208	239	270	300	331	361	27
28	28	59	87	118	148	179	209	240	271	301	332	362	28
29	29	60	88	119	149	180	210	241	272	302	333	363	29
30	30	...	89	120	150	181	211	242	273	303	334	364	30
31	31	...	90	...	151	...	212	243	...	304	...	365	31
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	



TABLE LXIX—Contd.

SERIAL NUMBER OF DAYS IN A YEAR A.D. FOR TWO CONSECUTIVE YEARS.

N. B.—When the previous year was a Leap-year, the days of the month must all be reduced by 1; and so all those after February 29, when the given year is a Leap-year.

## PART II.

Day of month.	NUMBER OF DAYS RECKONED FROM 1 JANUARY OF THE PRECEDING YEAR.												Day of month.
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	
1	366	397	425	456	486	517	547	578	609	639	670	700	1
2	367	398	426	457	487	518	548	579	610	640	671	701	2
3	368	399	427	458	488	519	549	580	611	641	672	702	3
4	369	400	428	459	489	520	550	581	612	642	673	703	4
5	370	401	429	460	490	521	551	582	613	643	674	704	5
6	371	402	430	461	491	522	552	583	614	644	675	705	6
7	372	403	431	462	492	523	553	584	615	645	676	706	7
8	373	404	432	463	493	524	554	585	616	646	677	707	8
9	374	405	433	464	494	525	555	586	617	647	678	708	9
10	375	406	434	465	495	526	556	587	618	648	679	709	10
11	376	407	435	466	496	527	557	588	619	649	680	710	11
12	377	408	436	467	497	528	558	589	620	650	681	711	12
13	378	409	437	468	498	529	559	590	621	651	682	712	13
14	379	410	438	469	499	530	560	591	622	652	683	713	14
15	380	411	439	470	500	531	561	592	623	653	684	714	15
16	381	412	440	471	501	532	562	593	624	654	685	715	16
17	382	413	441	472	502	533	563	594	625	655	686	716	17
18	383	414	442	473	503	534	564	595	626	656	687	717	18
19	384	415	443	474	504	535	565	596	627	657	688	718	19
20	385	416	444	475	505	536	566	597	628	658	689	719	20
21	386	417	445	476	506	537	567	598	629	659	690	720	21
22	387	418	446	477	507	538	568	599	630	660	691	721	22
23	388	419	447	478	508	539	569	600	631	661	692	722	23
24	389	420	448	479	509	540	570	601	632	662	693	723	24
25	390	421	449	480	510	541	571	602	633	663	694	724	25
26	391	422	450	481	511	542	572	603	634	664	695	725	26
27	392	423	451	482	512	543	573	604	635	665	696	726	27
28	393	424	452	483	513	544	574	605	636	666	697	727	28
29	394	425	453	484	514	545	575	606	637	667	698	728	29
30	395	...	454	485	515	546	576	607	638	668	699	729	30
31	396	...	455	...	516	...	577	608	...	669	...	730	31
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	

TABLE LXX.

CONVERSION OF TITHI-PARTS AND INDICES OF TITHIS, NAKSHATRAS AND YOGAS INTO TIME.

(Corresponding to Table X, "Indian Calendar.")

The "Argument" unit  $1 = 4^m \cdot 2524$  (a trifle over  $4\frac{1}{2}$  minutes of time), in the case of the tithi-index ( $t$ ), and  $4^m \cdot 3831$  in the case of the nakshatra-index ( $n$ ).

Argument.	TIME EQUIVALENT OF				Argument.	TIME EQUIVALENT OF				Argument.	TIME EQUIVALENT OF			
	Tithi-part.	Tithi-index ( $t$ ).	Nak-shatra index ( $n$ ).	Yōga-index ( $y$ ).		Tithi-part.	Tithi-index ( $t$ ).	Nak-shatra index ( $n$ ).	Yōga-index ( $y$ ).		Tithi-part.	Tithi-index ( $t$ ).	Nak-shatra index ( $n$ ).	Yōga-index ( $y$ ).
	H. M.	H. M.	H. M.	H. M.		H. M.	H. M.	H. M.	H. M.		H. M.	H. M.	H. M.	H. M.
1	0 1	0 4	0 4	0 4	41	0 58	2 54	2 41	2 30	76	1 48	5 23	4 59	4 38
2	0 3	0 9	0 8	0 7	42	1 0	2 59	2 45	2 34	77	1 49	5 27	5 3	4 42
3	0 4	0 13	0 12	0 11	43	1 1	3 3	2 49	2 37	78	1 51	5 32	5 7	4 46
4	0 6	0 17	0 16	0 15	44	1 2	3 7	2 53	2 41	79	1 52	5 36	5 11	4 49
5	0 7	0 21	0 20	0 18	45	1 4	3 11	2 57	2 45	80	1 53	5 40	5 15	4 53
6	0 9	0 26	0 24	0 22										
7	0 10	0 30	0 28	0 26	46	1 5	3 16	3 1	2 48	81	1 55	5 44	5 19	4 57
8	0 11	0 34	0 31	0 29	47	1 7	3 20	3 5	2 52	82	1 56	5 49	5 23	5 0
9	0 13	0 38	0 35	0 33	48	1 8	3 24	3 9	2 56	83	1 58	5 53	5 27	5 4
10	0 14	0 43	0 39	0 37	49	1 9	3 29	3 13	2 59	84	1 59	5 57	5 30	5 7
					50	1 11	3 33	3 17	3 3	85	2 0	6 1	5 34	5 11
11	0 16	0 47	0 43	0 40										
12	0 17	0 51	0 47	0 44										
13	0 18	0 55	0 51	0 48	51	1 12	3 37	3 21	3 7	86	2 2	6 6	5 38	5 15
14	0 20	1 0	0 55	0 51	52	1 14	3 41	3 25	3 10	87	2 3	6 10	5 42	5 18
15	0 21	1 4	0 59	0 55	53	1 15	3 45	3 29	3 14	88	2 5	6 14	5 46	5 22
					54	1 17	3 50	3 32	3 18	89	2 6	6 18	5 50	5 26
16	0 23	1 8	1 3	0 59	55	1 18	3 54	3 36	3 21	90	2 8	6 23	5 54	5 29
17	0 24	1 12	1 7	1 2										
18	0 26	1 17	1 11	1 6										
19	0 27	1 21	1 15	1 10	56	1 19	3 58	3 40	3 25	91	2 9	6 27	5 58	5 33
20	0 28	1 25	1 19	1 13	57	1 21	4 2	3 44	3 29	92	2 10	6 31	6 2	5 37
					58	1 22	4 7	3 48	3 32	93	2 12	6 35	6 6	5 40
21	0 30	1 29	1 23	1 17	59	1 24	4 11	3 52	3 36	94	2 13	6 40	6 10	5 44
22	0 31	1 34	1 27	1 21	60	1 25	4 15	3 56	3 40	95	2 15	6 44	6 14	5 48
23	0 33	1 38	1 30	1 24										
24	0 34	1 42	1 34	1 28										
25	0 35	1 46	1 38	1 32	61	1 26	4 19	4 0	3 43	96	2 16	6 48	6 18	5 51
					62	1 28	4 24	4 4	3 47	97	2 17	6 52	6 22	5 55
26	0 37	1 51	1 42	1 35	63	1 29	4 28	4 8	3 51	98	2 19	6 57	6 26	5 59
27	0 38	1 55	1 46	1 39	64	1 31	4 32	4 12	3 54	99	2 20	7 1	6 29	6 2
28	0 40	1 59	1 50	1 42	65	1 32	4 36	4 16	3 58	100	2 22	7 5	6 33	6 6
29	0 41	2 3	1 54	1 46										
30	0 43	2 8	1 58	1 50										
31	0 44	2 12	2 2	1 53	66	1 34	4 41	4 20	4 2	200	4 43	14 10	13 7	12 18
32	0 45	2 16	2 6	1 57	67	1 35	4 45	4 24	4 5	300	7 5	21 16	19 40	18 12
33	0 47	2 20	2 10	2 1	68	1 36	4 49	4 28	4 9	400	9 27	28 21		
34	0 48	2 25	2 14	2 4	69	1 38	4 53	4 31	4 13	500	11 49	35 26		
35	0 50	2 29	2 18	2 8	70	1 39	4 58	4 35	4 16	600	14 10	42 31		
36	0 51	2 33	2 22	2 12	71	1 41	5 2	4 39	4 20	700	16 32	49 37		
37	0 52	2 37	2 26	2 15	72	1 42	5 6	4 43	4 24	800	18 54	56 42		
38	0 54	2 42	2 30	2 19	73	1 43	5 10	4 47	4 27	900	21 16	63 47		
39	0 55	2 46	2 33	2 23	74	1 45	5 15	4 51	4 31	1000	23 37	70 52		
40	0 57	2 50	2 37	2 26	75	1 46	5 19	4 55	4 35					

TABLE LXXI.

**THE EUROPEAN CALENDAR.**

A. INITIAL DAYS OF CENTURIES, JULIAN AND GREGORIAN CALENDARS.														B. WEEK-DAYS FOR ONE YEAR. APPLICABLE TO BOTH OLD AND NEW STYLE DATES.																	
Odd years of centuries.		Centuries A.D.												Leap-year.		Months in Common-years.														Months in Leap-years.	
		Old Style.								New Style.						S	Mo	Tu	W	Th	Fr	Sa	S	Mo	Tu	W	Th	Fr	Sa		
		0	100	200	300	400	500	600	Sa	Fr	W	Mo																			
													700																		
Initial days.																															
0	28	56	84	Th	W	Tu	Mo	S	Sa	Fr	Sa	Th	Tu	S	L. Y.	Jan. Oct.	1	2	3	4	5	6	7	Jan.							
1	29	57	85	Sa	Fr	Th	W	Tu	Mo	S	Mo	Sa	Th	Tu	S		8	9	10	11	12	13	14	April							
2	30	58	86	S	Sa	Fr	Th	W	Tu	Mo	Tu	S	Fr	W		15	16	17	18	19	20	21	July								
3	31	59	87	Mo	S	Sa	Fr	Th	W	Tu	W	Mo	Sa	Th		22	23	24	25	26	27	28	July								
4	32	60	88	Th	Mo	S	Sa	Fr	Th	W	Th	Tu	S	Fr	L. Y.	Feb. Mar.	5	6	7	8	9	10	11	Feb.							
5	33	61	89	Tu	W	Tu	Mo	S	Sa	Fr	Sa	Th	Tu	S		Nov.	12	13	14	15	16	17	18	Aug.							
6	34	62	90	Fr	Th	W	Tu	Mo	S	Sa	S	Fr	W	Mo			19	20	21	22	23	24	25	Aug.							
7	35	63	91	Sa	Fr	Th	W	Tu	Mo	S	Mo	Sa	Th	Tu			26	27	28	29	30	31									
8	36	64	92	S	Sa	Fr	Th	W	Tu	Mo	Tu	S	Fr	W	L. Y.	April July	2	3	4	5	6	7	8								
9	37	65	93	Tu	Mo	S	Sa	Fr	Th	W	Th	Tu	S	Fr			9	10	11	12	13	14	15	Sept.							
10	38	66	94	W	Tu	Mo	S	Sa	Fr	Th	Fr	Th	Tu	S			16	17	18	19	20	21	22	Dec.							
11	39	67	95	Th	W	Tu	Mo	S	Sa	Fr	Sa	Th	Tu	S			23	24	25	26	27	28	29								
12	40	68	96	Fr	Th	W	Tu	Mo	S	Sa	S	Fr	W	Mo	L. Y.	Aug.	30	31							May						
13	41	69	97	S	Sa	Fr	Th	W	Tu	Mo	Tu	S	Fr	W			6	7	8	9	10	11	12								
14	42	70	98	Mo	S	Sa	Fr	Th	W	Tu	W	Mo	Sa	Th			13	14	15	16	17	18	19								
15	43	71	99	Tu	Mo	S	Sa	Fr	Th	W	Th	Tu	S	Fr			20	21	22	23	24	25	26								
16	44	72	100	W	Tu	Mo	S	Sa	Fr	Th	Fr	W	Mo	Sa	L. Y.	Sept. Dec.	3	4	5	6	7	8	9								
17	45	73		Fr	Th	W	Tu	Mo	S	Sa	S	Fr	W	Mo			10	11	12	13	14	15	16								
18	46	74		Sa	Fr	Th	W	Tu	Mo	S	Sa	S	Mo	Sa			17	18	19	20	21	22	23	June							
19	47	75		S	Sa	Fr	Th	W	Tu	Mo	Tu	S	Fr	W			24	25	26	27	28	29	30								
20	48	76		Mo	S	Sa	Fr	Th	W	Tu	W	Mo	Sa	Th	L. Y.	May.	31	1	2	3	4	5	6								
21	49	77		W	Tu	Mo	S	Sa	Fr	Th	Fr	W	Mo	Sa			7	8	9	10	11	12	13								
22	50	78		Th	W	Tu	Mo	S	Sa	Fr	Sa	Th	Tu	S			14	15	16	17	18	19	20	Oct.							
23	51	79		Fr	Th	W	Tu	Mo	S	Sa	S	Fr	W	Mo			21	22	23	24	25	26	27								
24	52	80		Sa	Fr	Th	W	Tu	Mo	S	Mo	Sa	Th	Tu	L. Y.	June	4	5	6	7	8	9	10	Mar.							
25	53	81		Mo	S	Sa	Fr	Th	W	Tu	W	Mo	Sa	Th			11	12	13	14	15	16	17	Nov.							
26	54	82		Tu	Mo	S	Sa	Fr	Th	W	Th	Tu	S	Fr			18	19	20	21	22	23	24								
27	55	83		W	Tu	Mo	S	Sa	Fr	Th	Fr	W	Mo	Sa			25	26	27	28	29	30	31								

To find the initial day of a given year A.D. take the day marked in Section A, perpendicular under the given century and horizontal opposite the given year. Note this initial day in column 2 of the heading of Section B. Find the given day of month in the body of Section B. Run up to the week-day in horizontal line with the initial day in the heading. The day so found is the week-day of the given day of month and year.

*E.g.* Wanted week-day of 23rd March, A.D. 645. At junction of century 600 (perpendicular) and 45 (horizontal) in Section A is Saturday. This was the initial day of A.D. 645. The year was common. The week-day noted in the heading of Section B at the junction of 23rd March (perpendicular) and of "Sa." in column 2 of heading (horizontal) is "W," Wednesday. Therefore 23rd March, A.D. 645, was a Wednesday.

In common years work with the month on left, in leap-years with that on right.

**N. B.**—In the New Style the years 1600 and 2000 are leap-years, but 1700, 1800, 1900 are common years. The initial week-day of the first year of each New Style century is given *above* it in heading of Section A. For the initial week-day of other years of the century look for the day in the junction of columns as mentioned *above*; e.g., A.D. 1800 began (top) on Monday. 1901 began (junction of columns) on Tuesday. 1928 begins on Sunday. 1919 began on Wednesday.

TABLE LXXIII.

MEAN SUNRISE VALUE OF  $a$ ,  $b$ ,  $c$  FOR YEARS OF THE K. Y. CENTURY BY THE ĀRYA-SIDDHĀNTA.

\* Years thus marked are years of 366 days, the rest of 365 each.

Year.	W-d.	a.	b.	c.	Year.	W-d.	a.	b.	c.
0	0	0	0	0	50	0	4433-9145	793-9243	0-1806
1	1	3600-6340	246-4427	999-2918	51	1	8034-5485	40-3670	999-4724
*2	2	7201-2680	492-8853	998-5836	*52	2	1635-1825	286-8097	998-7642
3	4	1140-5339	775-6196	0-6131	53	4	5574-4484	569-5439	0-7938
4	5	4741-1679	22-0623	999-9049	54	5	9175-0824	815-9866	0-0855
5	6	8341-8019	268-5049	999-1967	55	6	2775-7164	62-4293	999-3773
*6	0	1942-4359	514-9476	998-4885	*56	0	6376-3504	308-8719	998-6691
7	2	5881-7018	797-6819	0-5181	57	2	315-6163	591-6062	0-6987
8	3	9482-3358	44-1246	999-8099	58	3	3916-2503	838-0489	999-9905
9	4	3082-9698	290-5672	999-1017	59	4	7516-8843	84-4916	999-2823
*10	5	6683-6038	537-0099	998-3934	*60	5	1117-5183	330-9342	998-5741
11	0	622-8697	819-7442	0-4230	61	0	5056-7842	613-6685	0-6036
12	1	4223-5037	66-1868	999-7148	62	1	8657-4182	860-1112	999-8954
*13	2	7824-1377	312-6295	999-0066	63	2	2258-0522	106-5538	999-1872
14	4	1763-4035	595-3638	1-0362	*64	3	5858-6862	352-9965	998-4790
15	5	5364-0375	841-8065	0-3280	65	5	9797-9521	635-7308	0-5086
16	6	8964-6716	88-2491	999-6197	66	6	3398-5861	882-1735	999-8004
*17	0	2565-3056	334-6918	998-9115	67	0	6999-2201	128-6161	999-6921
18	2	6504-5714	617-4261	0-9411	*68	1	599-8541	375-0588	998-3839
19	3	105-2054	863-8687	0-2329	69	3	4539-1200	657-7931	0-4135
20	4	3705-8394	110-3114	999-5247	70	4	8139-7540	904-2357	999-7053
*21	5	7806-4734	356-7541	998-8185	*71	5	1740-3880	150-6784	998-9971
22	0	1245-7393	639-4884	0-8460	72	0	5679-6539	433-4127	1-0267
23	1	4846-3733	885-9310	0-1378	73	1	9280-2879	679-8554	0-3184
24	2	8447-0073	132-3737	999-4296	74	2	2880-9219	926-2980	999-6102
*25	3	2047-6413	378-8164	998-7214	*75	3	6481-5559	172-7407	998-9020
26	5	5986-9072	661-5506	0-7510	76	5	420-8217	455-4750	0-9316
27	6	9587-5412	907-9933	0-0428	77	6	4021-4557	701-9176	0-2234
28	0	3188-1752	154-4360	999-3346	78	0	7622-0897	948-3603	999-5152
*29	1	6788-8092	400-8786	998-6263	*79	1	1222-7238	194-8030	998-8070
30	3	728-0751	583-6129	0-6559	80	3	5161-9896	477-5372	0-8365
31	4	4328-7091	930-0556	999-9477	81	4	8762-6236	723-9799	0-1283
32	5	7929-3431	176-4983	999-2395	82	5	2363-2576	970-4226	999-4201
33	6	1529-9771	422-9409	998-5313	*83	6	5963-8916	216-8652	998-7119
34	1	5469-2430	705-6752	0-5609	84	1	9903-1575	499-5995	0-7415
35	2	9069-8770	952-1179	999-8526	85	2	3503-7915	746-0422	0-0332
36	3	2670-5110	198-5605	999-1444	86	3	7104-4255	992-4849	999-3256
*37	4	6271-1450	445-0032	998-4362	*87	4	705-0595	238-9275	998-6168
38	6	210-4109	727-7375	0-4658	88	6	4644-3254	521-6618	0-6464
39	0	3811-0449	974-1801	999-7576	89	0	9244-9594	768-1045	999-9382
40	1	7411-6789	220-6228	999-0464	90	1	1845-5934	14-5471	999-2300
*41	2	1012-3129	467-0655	998-3412	*91	2	5446-2274	260-9898	998-5218
42	4	4951-5788	749-7998	0-3707	92	4	9385-4933	543-7241	0-5513
43	5	8553-2128	996-2424	999-6625	93	5	2986-1273	790-1668	999-8431
*44	6	2152-8468	242-6851	998-9543	94	6	6586-7613	36-6094	999-1349
45	1	6092-1126	525-4194	0-9839	*95	0	187-3963	283-0521	998-4267
46	2	9692-7466	771-8620	0-2757	96	2	4126-6612	565-7864	0-4563
47	3	3293-3806	18-3047	999-5675	97	3	7727-2952	812-2290	999-7481
*48	4	6894-0147	264-7474	998-8592	*98	4	1327-9292	58-6717	999-0398
49	6	833-2905	547-4817	0-8888	*99	5	4928-5632	308-1144	998-3316
					100	0	8867-8291	587-8487	0-3612

TABLE LXXIV.

DAILY VALUES OF *a*, *b*, *c* FROM 0 MINA TO 2 MĒSHA.

For calculation of their value at mean sunrise on the day Chaitra Sakla I.

Interval of days from true Mēsha-samkranti.	Day of Solar month.	Week day.	a.	b.	c.	
1	2	3	4	5	6	
30	Mina	0	3	9163-7800	838-6681	912-3908
29	"	1	4	9502-4119	874-9597	915-1286
28	"	2	5	9841-0438	911-2513	917-8664
27	"	3	6	179-8756	947-5429	920-6042
26	"	4	0	518-8075	983-8345	923-3420
25	"	5	1	856-9394	20-1262	926-0798
24	"	6	2	1195-5713	56-4178	928-8176
23	"	7	3	1534-2032	92-7094	931-5554
22	"	8	4	1872-8350	129-0010	934-2931
21	"	9	5	2211-4669	165-2927	937-0309
20	"	10	6	2550-0988	201-5843	939-7687
19	"	11	0	2888-7306	237-8769	942-5065
18	"	12	1	3227-3625	274-1675	945-2443
17	"	13	2	3565-9944	310-4591	947-9821
16	"	14	3	3904-6263	346-7508	950-7199
15	"	15	4	4243-2581	383-0424	953-4576
14	"	16	5	4581-8900	419-3340	956-1954
13	"	17	6	4920-5219	455-6256	958-9332
12	"	18	0	5259-1538	491-9173	961-6710
11	"	19	1	5597-7856	528-2089	964-4088
10	"	20	2	5936-4175	564-5005	967-1466
9	"	21	3	6275-0494	600-7921	969-8844
8	"	22	4	6613-6813	637-0838	972-6221
7	"	23	5	6952-3131	673-3754	975-3599
6	"	24	6	7290-9450	709-6670	978-0977
5	"	25	0	7629-5769	745-9586	980-8355
4	"	26	1	7968-2088	782-2503	983-5733
3	"	27	2	8306-8406	818-5419	986-3111
2	"	28	3	8645-4725	854-8335	989-0489
1	"	29	4	8984-1044	891-1251	991-7866
	Mēsha	0	5	9322-7363	927-4168	994-5244
	"	1	6	9661-3681	963-7084	997-2622
	"	2	0	0	0	0

The figures for Mēsha 0 are those for mean sunrise on the day when true Mēsha-samkrānti occurred, i.e., on the day when true sun reached long. 0°.

The table serves equally for calculation from the day of mean Mēsha-samkrānti by noting the interval of days.

TABLE LXXV.

MOON'S EQUATION OF CENTRE BY THE FIRST ĀRYA-SIDDHANTA.

(For equation of sun's centre see Table XLVII, Vol. XIV above.)

Serial No. of sine.	Moon's mean anomaly.		SINE OF MEAN ANOM. ANGLE.		EQUATION.			Moon's mean anomaly.		Serial No. of sine.
			Value in mi- nutes.	Diff- erence.	Equation in degrees.	Diff. per minute of anom.	Equation in 10,000th of circle.			
1	2		3	4	5	6	7	8		9
0	0° 0'	180° 0'	0'	'	0° 0' 0"	"	0	180° 0'	360° 0'	0
1	3 45	176 15	225	225	0 19 41.25	5.250	9.114583	183 45	356 15	1
2	7 30	172 30	449	224	0 39 17.25	5.226	18.188657	187 30	352 30	2
3	11 15	168 45	671	222	0 58 42.75	5.180	27.181713	191 15	348 45	3
4	15 0	165 0	890	219	1 17 52.5	5.110	36.053240	195 0	345 0	4
5	18 45	161 15	1105	215	1 36 41.25	5.016	44.762730	198 45	341 15	5
6	22 30	157 30	1315	210	1 55 3.75	4.900	53.269675	202 30	337 30	6
7	26 15	153 45	1520	205	2 13 0.0	4.783	61.574074	206 15	333 45	7
8	30 0	150 0	1719	199	2 30 24.75	4.643	69.635415	210 0	330 0	8
9	33 45	146 15	1910	191	2 47 7.5	4.456	77.372684	213 45	326 15	9
10	37 30	142 30	2093	183	3 3 8.25	4.270	84.785878	217 30	322 30	10
11	41 15	138 45	2267	174	3 18 21.75	4.060	91.834490	221 15	318 45	11
12	45 0	135 0	2431	164	3 32 42.75	3.926	98.478009	225 0	315 0	12
13	48 45	131 15	2585	154	3 46 11.5681	3.5947	104.718890	228 45	311 15	13
14	52 30	127 30	2728	143	3 58 45.6696	3.3516	110.537572	232 30	307 30	14
15	56 15	123 45	2859	131	4 10 16.4900	3.0603	115.867978	236 15	303 45	15
16	60 0	120 0	2978	119	4 20 44.0290	2.7979	120.710099	240 0	300 0	16
17	63 45	116 15	3084	100	4 30 3.0134	2.4844	125.023250	243 45	296 15	17
18	67 30	112 30	3177	93	4 38 13.4431	2.1797	128.807432	247 30	292 30	18
19	71 15	108 45	3256	79	4 45 10.0446	1.8416	132.021949	251 15	288 45	19
20	75 0	105 0	3321	65	4 50 52.8179	1.5234	134.666805	255 0	285 0	20
21	78 45	101 15	3372	51	4 55 21.7634	1.1953	136.742001	258 45	281 15	21
22	82 30	97 30	3409	37	4 58 36.8804	0.8672	138.247533	262 30	277 30	22
23	86 15	93 45	3431	22	5 0 32.8062	0.5156	139.142717	266 15	273 45	23
24	90 0	90 0	3438	7	5 1 9.8103	0.1641	139.427548	270 0	270 0	24

expressed both in words and numerical ideograms. There can be little doubt that the era to which the year in this inscription is to be referred is the Śaka era. Accordingly the inscription may be taken to be dated roughly in the year A.D. 181. It will be remembered that the evidence afforded by the dates and the legends on the coins of Rudrasimha lead us to infer that he ruled first as Kshatrapa in the year 102-3, then as Mahā-Kshatrapa from 103 to 110, then again as Kshatrapa from 110 to 112, and lastly as Mahā-Kshatrapa from 113 to 118 (or 119). According to this scheme the present inscription must be taken to refer to the period when he was reigning as Kshatrapa for the first time. The earliest date we have for his reign is the year 102 on a coin belonging to the Cunningham collection.

The object of the inscription was to record the digging and constructing, at the village of **Rasōpadra**, of a well by the general (*sēnāpati*) Rudrabhūti, son of the general (*sēnāpati*) Bāpaka, the Ābhīra.

The village of Rasōpadra, which is the only locality mentioned in this record, remains unidentified.

#### TEXT.<sup>1</sup>

- 1 Siddha[ri] [||\*] Rajñō maha-kshatra[pa]s]ya svami-Chāshtana-prapautrasya rājñō kshatrapasya svami-Jayadāma-pautrasya
- 2 (sya) rāj[ñō] maha-kshatrapasya sv[ā]mi-Rudradāma-putrasya rājñō kshatrapasya svāmi-Rudra-
- 3 sihasya [va]rshē [tri]y-uttara-śatē 100 3 Vaiśākha-śuddhē pañcham[i]-dha [t]tya-tithau Rō[hi]ṇi-naksha-
- 4 tra-muhūrt[ē] Ābhīrēṇa sēnāpati-Bāpakasya putrēṇa sēnāpati-Rudrabh[ā]tinā grāmō Rasō-
- 5 [pa]drīyē vā[pī] [kha]ni[tō] [baṁddh]āpitaś=cha sarvva-satvānām hita-sukh-ārtham=iti [||\*]

#### Remarks on the Transcript.<sup>3</sup>

L. 1. GB and BI *rājñō mahā-* and *svāmi-*; but in our estampage the sign of length can be made out in none of these words. L. 2. Over *ma* in *maha*, to its right, is to be noticed a slanting irregular depression, the nature and significance of which is uncertain. L. 3. GB *dry-uttara-śatē sa 100 2*, which is clearly inadmissible; BI and L *tri-uttara-śatē*, differing from our reading in the second syllable, which is, however, unmistakably *yu* and not *u*; on the other hand, it is uncertain whether the first syllable should be read as *tri* or *tra*. GB, BI and L *-śuddha* for *śuddhē*; but our estampage shows the sign of *ē* quite distinctly. The estampage does not show any clear trace of the sign of the long *ī* in *pañchamī-* as read by GB, BI and L. The projection on the left of the sign of *cha* is abnormal. GB, BI and L *-dhanya-*; but an examination of the back of the estampage removes all doubt as to the correctness of our reading of the second syllable. Most probably we have to correct *dhattya* to *dhanya*; the former gives no sense. Mr. Banerji would read *ētiya* regarding the latter as equivalent to *asyām* or *ślasyām*, and cognate with the Pkt. *ētiya* found in Kushan inscriptions. GB *Śravaṇa-* for *Rōhiṇi-*. L. 5. GB *padrē hradārthē*, and BI *padrē hradāḥ*; L accepts the sense, adding *hrada* in brackets with a query. DRB speaks of *Rasōpadriya* and *garta* in giving the contents of the inscription. The syllable *vā* is quite clear in the estampage, especially on the back of it; *dā* or *dō*, which

<sup>1</sup> From a set of estampages.

<sup>2</sup> Explanation of the abbreviations:—GB = Georg Bühler, *Ind. Ant.*, Vol. X, p. 157; BI = *Collection of Prakrit and Sanskrit Inscriptions*, Bhavnagar, pp. 21 f.; L = Lüders, *List of Brahmi Inscriptions*, No. 963; DRB = D. R. Bhandarkar, *Prog. Rep. Arch. Surv. of W. Circle*, 1914-15, p. 67.

Name of Village.	Modern Name.	Taluk.	District.
Chirukūru . . . .	Cherukuru . . . .	{ Bapatla . . . . Kandukur . . . .	Guntur or Nellore.
Chittālūru . . . .	Chittālūru . . . .	Rayachoti . . . .	Cuddapah.
Daśarājapalli . . . .	Daśarajapalle . . . .	Ongole . . . .	Guntur.
Dēvulapalli . . . .	Dēvalapalle . . . .	Vayalpad . . . .	Chittoor.
Dūpūm . . . .	Dupadahalli (?) . . . .	Kudligi . . . .	Bellary.
Eḍavelli . . . .	Kāvali Eḍavalli . . . .	Atmakur . . . .	Nellore.
Epūru . . . .	Yēpūru . . . .	Rapur . . . .	.....
Eṭṭūru . . . .	{ Eṭūru . . . .	Cuddapah . . . .	Cuddapah.
	{ Yēṭūru . . . .	Rapur . . . .	Nellore or
	{ Eṭūru . . . .	Punganur . . . .	N. Arcot.
Goḍḍamari . . . .	.....	.....	.....
Gollanapalli . . . .	Gollepalli . . . .	Atmakuru . . . .	Nellore.
Goṭṭipāḍu . . . .	Goṭapalli . . . .	Punganur . . . .	N. Arcot.
Guṇṭūru . . . .	Guṇṭūr . . . .	Guntur . . . .	Guntur.
Gutti . . . .	Gutti . . . .	Gutti . . . .	Anantapur.
Hālaharivi . . . .	Hālaharivi . . . .	Alur . . . .	Bellary.
Hampasamudram . . . .	Hampasāgara (?) . . . .	Huvinahadagalli . . . .	„
Indraganṭi (?) . . . .	.....	.....	.....
Jagarlapūṭi . . . .	Jāgarlamūḍi . . . .	Bapatla . . . .	Guntur.
Jayanti . . . .	Jayanti . . . .	Nandigama . . . .	Krishna.
Jonnalagaṇḍa . . . .	Jonnalagaṇḍa . . . .	Narsaraopet or Guntur . . . .	Guntur.
Kādula . . . .	.....	.....	.....
Kaipa (?) . . . .	.....	.....	.....
Kalaga (?) . . . .	.....	.....	.....
Kajakāṭūru . . . .	Kajakāṭūru . . . .	Palmaner . . . .	N. Arcot.
Kāñcherla . . . .	Pedakāñcherla . . . .	Vinikonda . . . .	Guntur.
Kāñchi . . . .	Conjeeveram . . . .	Conjeeveram . . . .	Chingelput.
Kāraṇṭi . . . .	Kāraṇchēḍa . . . .	Bapatla . . . .	Guntur.
Kāṭā(or Kāṭrā)vāyi . . . .	.....	.....	.....
Kaṭṭapa (?) . . . .	.....	.....	.....
Kāvērisamudram . . . .	.....	.....	.....
Khṛātacheru (?) . . . .	.....	.....	.....